

Curriculum Vitae



Personal data:

- Name: Abolghasem Jouyban
- Date of birth: 21st April 1966
- Gender: Male
- Marital status: Married
- Nationality: Iranian

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Education:

- High School Diploma: Ferdowsi High School, Tabriz, Iran, 1984.
- Pharm. D.: Faculty of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran, 1989.
- Ph.D. in Pharmaceutical Analysis: School of Pharmacy, University of Bradford, Bradford, UK, 2001.
- Ph.D. in Pharmaceutics (Pharmaceutical Engineering), Faculty of Pharmacy, The University of Sydney, Sydney, Australia, 2004.

Awards:

- Awarded prize for the best lecturer in the School of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran, 1993.
- Awarded prize for the best researcher in the School of Pharmacy, Tabriz University of Medical

Sciences, Tabriz, Iran, 1996.

- ORS scholarship to study at the University of Bradford, 1998, 1999, 2000.
- IPRS+IPA scholarships to study at the University of Sydney, 2001, 2002, 2003.
- Awarded prize from President Khatami, Iranian Scientific Razi Festival, 2000.
- The selected young researcher of Eastern Azarbayjan province, 2003.
- Awarded prize for the best researcher of Tabriz University of Medical Sciences, Tabriz, Iran, 2002.
- Awarded prize for the best researcher of the School of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran, 2003.
- Director of the best research project of Tabriz University of Medical Sciences, 2004.
- Awarded prize for the best researcher of Tabriz University of Medical Sciences, Tabriz, Iran, 2005.
- Awarded prize for the best researcher of Tabriz University of Medical Sciences, Tabriz, Iran, 2006.
- Awarded prize from Iranian President, Iranian Scientific Razi Festival, 2007.
- Awarded prize for the best researcher of Faculty of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran, 2007.
- Awarded prize from Iranian Academy of Medical Sciences, 2008.
- Leading scientists and engineers of OIC member states (selected by COMSTECH), 2008.
- The selected researcher of Eastern Azarbayjan province, 2009.
- Director of the best research project of Tabriz University of Medical Sciences, 2009.
- Awarded prize for the best researcher of Tabriz University of Medical Sciences, Tabriz, Iran, 2010.
- Awarded prize for the best researcher of Tabriz University of Medical Sciences, Tabriz, Iran, 2011.
- The selected researcher of Eastern Azarbayjan province, 2012.
- Awarded prize for the best researcher of Tabriz University of Medical Sciences, Tabriz, Iran, 2012.
- Awarded prize from Iranian President, Iranian Scientific Razi Festival, 2012.
- Awarded prize for the best researcher of Tabriz University of Medical Sciences, Tabriz, Iran,

2013.

Academic positions:

- Lecturer in Pharmacology, Faculty of Nursing and Midwifery, Tabriz University of Medical Sciences, Tabriz, Iran, 1989-1991.
- Lecturer in Pharmaceutical Analysis, Faculty of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran, 1991-1997.
- Assistant Professor of Pharmaceutical Analysis, Faculty of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran, 2001-2003.
- Associate Professor of Pharmaceutical Analysis, Faculty of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran, 2003-2007.
- Professor of Pharmaceutical Analysis, Faculty of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran, 2007-.
- Professor of Pharmaceutical Engineering, Faculty of Engineering, University of Tehran, Tehran, Iran, 2009-.

Research interests:

- Prediction of drug solubility in mixed solvent systems
- Prediction of drug solubility in supercritical fluids
- Application of chemometric approaches in pharmaceutical/analytical sciences
- Pharmaceutical and Biomedical analyses of drugs
- Development and validation of analytical methods using capillary electrophoresis
- Development and validation of analytical methods using HPLC
- Development and validation of analytical methods using spectroscopic methods

Member of:

- *Academy of Medical Sciences of I.R. Iran, 2012-*
- *Drug Discovery Committee, National Institute for Medical Research Development, 2015-*
- *National Board of Medicinal Chemistry, 2004-*
- *National Pharmaceutical Research Network, 2008-*

- *Iranian Pharmaceutical Association, 2010-*
- *Iranian Chemical Society 1994-*

Reviewer of:

- *AAPS Pharm Sci Tech*
- *Analytica Chimica Acta*
- *Analytical Methods*
- *Asian Journal of Pharmaceutics*
- *Bioanalysis*
- *Biopharmaceutics & Drug Disposition*
- *Brazilian Journal of Chemical Engineering*
- *Bulgarian Chemical Communications*
- *Chemical Engineering & Technology*
- *Chemical Industry & Chemical Engineering Quaterly*
- *Chemical and Pharmaceutical Bulletin*
- *Chemical Engineering Research and Design*
- *Chemical Engineering Communications*
- *Chemical Society Reviews*
- *DARU*
- *Drug Delivery*
- *DNA and Cell Biology*
- *Drug Development and Industrial Pharmacy*
- *Electrophoresis*
- *European Journal of Drug Metabolism and Pharmacokinetics*
- *European Journal of Pharmaceutical Sciences*
- *IL Farmaco*
- *Indian Journal of Pharmaceutical Sciences*
- *Industrial & Engineering Chemistry Research*
- *International Journal of Environmental Analytical Chemistry*
- *International Journal of Pharmaceutics*
- *International Journal of Thermophysics*
- *International Journal of Biomedical Sciences*
- *Iranain Journal of Chemistry and Chemical Engineering*
- *Iranian Journal of Pharmaceutical Research*
- *Iranian Journal of Pharmaceutical Sciences*
- *Journal of Biotechnology*
- *Journal of Enzyme Inhibition and Medicinal Chemistry*

- *Journal of Chemical and Engineering Data*
- *Journal of Chemical Thermodynamics*
- *Journal of Chromatography A*
- *Journal of Chromatography B*
- *Journal of Chromatographic Sciences*
- *Journal of Drug Delivery Science and Technology*
- *Journal of the Iranian Chemical Society*
- *Journal of Liquid Chromatography & Related Technologies*
- *Journal of Pharmaceutical Analysis*
- *Journal of Pharmaceutical Sciences*
- *Journal of Pharmacy and Pharmaceutical Sciences*
- *Journal of Photochemistry & Photobiology, B: Biology*
- *Journal of Physical Chemistry*
- *Journal of Separation Science*
- *Journal of Solution Chemistry*
- *Journal of Supercritical Fluids*
- *Korean Journal of Chemical Engineering*
- *Latin American Journal of Pharmacy*
- *Materials Research Innovations*
- *Mediterranean Journal of Chemistry*
- *Molecules*
- *Molecular Pharmaceutics*
- *Pakistan Journal of Pharmaceutical Sciences*
- *Pharmazie*
- *Pharmaceutical Biology*
- *Physical Chemistry Chemical Physics*
- *Spectroscopy Letters*
- *Talanta*
- *Thermochimica Acta*

Member of Editorial Board of:

- Editor of Current Pharmaceutical Analysis (<http://www.bentham.org>).
- Recent Patents on Chemical Engineering (<http://www.bentham.org/cheng/>)
- Journal of Pharmacology and Toxicology (http://www.academicjournals.net/c4p.php?j_id=jpt), - 2008.
- International Journal of Biomedical Sciences (<http://www.ijbs.org>)

- Open Thermodynamic Journal (<http://www.bentham.org/open/totherj>)
- Journal of Pharmaceutical and Biomedical Sciences (www.jpbums.info)
- Revista Colombiana de Ciencias Químico Farmacéuticas (<http://www.farmacia.unal.edu.co/?itpad=182&niv=1&itact=182&ti=true&dep=4>).
- Journal of Bioanalytical Techniques (<https://sciforschenonline.org/journals/bioanalytical-techniques/index.php>).

Publications in International Journals:

1. *Models for calculating solubility in binary solvent systems*, Barzegar-Jalali, M. and Jouyban-Gharamaleki, A., *International Journal of Pharmaceutics*, 140, 237-246, 1996
2. *Comparison of double log-log, mixture response-surface and combined NIBS/Redlich-Kister solubility models*, Barzegar-Jalali, M., Jouyban-Gharamaleki, A., Hanaee, J. and Chokhachizadeh-Moghaddam, fM.H., *International Journal of Pharmaceutics*, 144, 123-126, 1996.
3. *Modelling of the chameleonic effect in solubility using statistical techniques*, Jouyban-Gharamaleki, A. and Barzegar-Jalali, M., *Pharmaceutical Sciences*, 2, 559-560, 1996.
4. *Chameleonic effect and some models for predicting drug solubility in solvent mixtures*, Jouyban-Gharamaleki, A., *Chemical & Pharmaceutical Bulletin*, 45, 1383-1384, 1997.
5. *A general model from theoretical cosolvency models*, Barzegar-Jalali, M. and Jouyban-Gharamaleki, A., *International Journal of Pharmaceutics*, 152, 247-250, 1997.
6. *A novel method for improvement of predictability of the CNIBS/R-K equation*, Jouyban-Gharamaleki, A. and Hanaee, J., *International Journal of Pharmaceutics*, 154, 245-247, 1997.
7. *The modified Wilson model and predicting drug solubility in water cosolvent mixtures*, Jouyban-Gharamaleki, A., *Chemical & Pharmaceutical Bulletin*, 46, 1058-1061, 1998.
8. *Solubility correlation of structurally related drugs in binary solvent mixtures*, Jouyban-Gharamaleki, A., Barzegar-Jalali, M. and Acree, W.E. Jr., *International Journal of Pharmaceutics*, 166, 205-209, 1998.
9. *Comparison of models for describing multiple peaks in solubility profiles*, Jouyban-Gharamaleki, A. and Acree, W.E. Jr., *International Journal of Pharmaceutics*, 167, 177-182, 1998.
10. *Comparison of various cosolvency models for calculating solute solubility in water-cosolvent mixtures*, Jouyban-Gharamaleki, A., Valaee, L., Barzegar-Jalali, M., Clark, B.J. and Acree, W.E. Jr., *International Journal of Pharmaceutics*, 177, 93-101, 1999.
11. *Comment concerning: solubility prediction of caffeine in aqueous N,N-dimethylformamide mixtures using the extended Hildebrand solubility approach*, Jouyban-Gharamaleki, A. and Acree, W.E. Jr., *International Journal of Pharmaceutics*, 177, 127-128, 1999.
12. *Comments on "Margules equations applied to PAH solubilities in alcohol-water mixtures"*, Jouyban-Gharamaleki, A., Acree, W.E. Jr. and Clark, B.J., *Environmental Science and Technology*, 33, 1953-1954, 1999.

13. *Calculation of electrophoretic mobilities in water-organic modifier mixtures*, Jouyban-Gharamaleki, A., Khaledi, M.G. and Clark, B.J., *Journal of Chromatography A*, 868, 277-284, 2000.
14. *Multiple solubility maxima of oxolinic acid in mixed solvents and a new extension of Hildebrand solubility approach*, Jouyban-Gharamaleki, A., Romero, S., Bustamante, P. and Clark, B.J., *Chemical & Pharmaceutical Bulletin*, 48, 175-178, 2000.
15. *Prediction of drug solubility in ternary solvent mixture*, Jouyban-Gharamaleki, A., Clark, B.J. and Acree, W.E. Jr., *Drug Development and Industrial Pharmacy*, 26, 971-973, 2000.
16. *Models to predict solubility in ternary solvents based on sub-binary experimental data*, Jouyban-Gharamaleki, A., Clark, B.J. and Acree, W.E. Jr., *Chemical & Pharmaceutical Bulletin*, 48, 1866-1871, 2000.
17. *Evaluating prediction ability of different models used for solute solubility calculation in binary solvent systems*, Jouyban-Gharamaleki, A., Chan, H.K. and Barzegar-Jalali, M., *Daru*, 8, 8-14, 2000.
18. *Modelling the electrophoretic mobility of basic drugs in aqueous methanolic buffers in capillary electrophoresis*, Jouyban, A., Chan, H.K., Khoubnasabjafari, M., Jouyban, N. and Clark, B.J., *Daru*, 9, 1-5, 2001.
19. *A new mathematical model to investigate drug treatment on the overall process of wound healing*, Pipelzadeh, M., Jouyban, A., Khodadadi, A. and Naylor, I.L., *Iranian Biomedical Journal*, 5, 61-67, 2001.
20. *Solubility prediction of salmeterol xinafoate in water-dioxane mixtures*, Jouyban-Gharamaleki, A., York, P., Hanna, M. and Clark, B.J., *International Journal of Pharmaceutics*, 216, 33-41, 2001.
21. *Solubility prediction for furosemide in water-cosolvent mixtures using the minimum number of experiments*, Jouyban-Gharamaleki, A., Dastmalchi, S., Chan, H.K., Hanaee, J., Javanmard, A. and Barzegar-Jalali, M., *Drug Development and Industrial Pharmacy*, 27, 577-583, 2001.
22. *Calculation of electrophoretic mobility of amines in methanol-aqueous electrolyte systems*, Jouyban, A., Batish, A., Rumbelow, S. J. and Clark, B. J., *Analyst*, 126, 1958-1962, 2001.
23. *Mathematical representation of electrophoretic mobility in mixed aqueous-methanolic buffers in capillary zone electrophoresis*, Jouyban, A., Chan, H.K., Clark, B.J. and Kenndler, E., *Journal of Microcolumn Separation*, 13, 346-350, 2001.
24. *Solubility prediction of anthracene in mixed solvents using a minimum number of experimental data*, Jouyban, A., Khoubnasabjafari, M., Chan, H.K., Clark, B.J. and Acree Jr., W.E., *Chemical and*

- Pharmaceutical Bulletin*, 50, 21-25, 2002.
25. *Mathematical representation of electrophoretic mobility in ternary solvent electrolyte systems*, Jouyban, A., Chan, H.K., Khoubnasabjafari, M. and Clark, B.J., *Daru*, 10, 92-97, 2002
 26. *Non-aqueous capillary electrophoretic analysis of hexetidine in a commercial liquid formulation*, Jouyban, A., Ye, J. and Clark, B.J., *Die Pharmazie*, 57, 248-249, 2002.
 27. *Solubility prediction in supercritical carbon dioxide using minimum number of experimental data*, Jouyban, A., Rehman, M., Shekunov, B.Y., Chan, H.K., Clark, B.J. and York, P., *Journal of Pharmaceutical Sciences*, 91, 1287-1295, 2002.
 28. *A cosolvency model to predict solubility of drugs at several temperatures from a limited number of solubility measurements*, Jouyban, A., Romero, S., Chan, H.K., Clark, B.J. and Bustamante, P., *Chemical and Pharmaceutical Bulletin*, 50, 594-599, 2002.
 29. *Mathematical representation of solute solubility in supercritical carbon dioxide using empirical expressions*, Jouyban, A., Chan, H.K. and Foster, N.R., *Journal of Supercritical Fluids*, 24, 19-35, 2002.
 30. *A model to represent solvent effects on the chemical stability of solutes in mixed solvent systems*, Jouyban, A., Chan, H.-K., Barzegar-Jalali, M. and Acree, W.E. Jr., *International Journal of Pharmaceutics*, 243, 167-172, 2002.
 31. *Calculation of electrophoretic mobility in ternary solvent buffers in capillary zone electrophoresis using a mixture response surface method*, Jouyban, A., Grosse, S.C., Coleman, M.W., Chan, H.K., Kenndler, E. and Clark, B.J., *Analyst*, 127, 1188-1192, 2002.
 32. *Mathematical representation of apparent dissociation constants in aqueous-organic solvent mixtures*, Jouyban, A., Chan, H.K., Clark, B.J. and Acree, W.E. Jr., *International Journal of Pharmaceutics*, 246, 135-142, 2002.
 33. *Describing solubility of polymorphs in mixed solvents by CNIBS/R-K equation*, Jouyban, A. and Clark, B.J., *Die Pharmazie*, 57, 861-862, 2002.
 34. *Predicting electrophoretic mobility of beta-blockers in water-methanol mixed electrolyte system*, Jouyban, A., Khoubnasabjafari, M., Chan, H.K., Altria, K.D. and Clark, B.J., *Chromatographia*, 57, 191-196, 2003.
 35. *Calculation of electrophoretic mobility in ternary solvent electrolyte systems*, Jouyban, A., Chan, H.K., Khoubnasabjafari, M. and Clark, B.J., *Journal of Pharmaceutical and Biomedical Analysis*, 32, 203-208, 2003.

36. *A quantitative structure property relationship study of electrophoretic mobility of analytes in capillary zone electrophoresis*, Jouyban, A., Yousefi, B.H., *Computational Biology and Chemistry*, 27, 297-303, 2003.
37. *An improved empirical model to calculate solute solubility in supercritical carbon dioxide*, Jouyban, A., Jabbaribar, F. and Chan, H.K., *Die Pharmazie*, 58, 396-398, 2003.
38. *Comments concerning "Solubility of anthracene in two binary solvents containing toluene"*, Jouyban, A., Acree, W.E. Jr., *Fluid Phase Equilibria*, 209, 155-159, 2003.
39. *Mathematical representation of electrophoretic mobility of basic drugs in ternary solvent buffers in capillary zone electrophoresis*, Jouyban, A., Grosse, S.C., Chan, H.K., Coleman, M.W. and Clark, B.J., *Journal of Chromatography A*, 994, 191-198, 2003.
40. *Comparison of different algorithms to calculate electrophoretic mobility of analytes as a function of binary solvent composition*, Jouyban, A., Chan, H.K., Clark, B.J. and Kenndler, E., *Electrophoresis*, 24, 1596-1602, 2003.
41. *Electrophoretic behavior of alprenolol in mixed solvent electrolyte systems*, Jouyban, A., Khoubnasabjafari, M., Yeghanli, S., Grosse, S.C. and Clark, B.J., *Il Farmaco*, 58, 1039-1044, 2003.
42. *Solubility prediction in water-ethanol mixtures based on excess free energy approach using minimum number of experimental data*, Jouyban, A., Chan, H.K., Romero, S., Khoubnasabjafari, M. and Bustamante, P., *Die Pharmazie*, 59, 117-120, 2004.
43. *A simple relationship between dielectric constant of mixed solvents with solvent composition and temperature*, Jouyban, A., Soltanpour, Sh. and Chan, H.K., *International Journal of Pharmaceutics*, 269, 353-360, 2004.
44. *Modeling drug solubility in water-cosolvent mixtures using an artificial neural network (ANN)*, Jouyban, A., Majidi, M.R., Jalilzadeh, H. and Asadpour-Zeynali, K., *IL Farmaco*, 59, 505-512, 2004.
45. *Correlation of surface tension of mixed solvents with solvent composition*, Jouyban, A., Fathi-Azarbayjani, A., Barzegar-Jalali, M. and Acree, W.E. Jr., *Die Pharmazie*, 59, 937-941, 2004.
46. *Solubility prediction of anthracene in binary and ternary solvents by artificial neural networks (ANNs)*, Jouyban, A., Majidi, M.R., Jabbaribar, F. and Asadpour-Zeynali, K., *Fluid Phase Equilibria*, 255, 133-139, 2004.
47. *Surface tension calculation of mixed solvents with respect to solvent composition and temperature by using Jouyban-Acree model*, Jouyban, A., Fathi Azarbayjani, A. and Acree, Jr. , W. E., *Chemical and*

- Pharmaceutical Bulletin*, 52, 1219-1222, 2004.
48. *Modeling the entrainer effects on solubility of solutes in supercritical carbon dioxide*, Jouyban, A., Khoubnasabjafari, M. and Chan, H.K., *Chemical & Pharmaceutical Bulletin*, 53, 290-295, 2005.
 49. *Modeling acid dissociation constant of analytes in binary solvents at various temperatures using Jouyban-Acree model*, Jouyban, A., Soltani, S., Chan, H.K., Acree, W.E. Jr., *Thermochimica Acta*, 428, 119-123, 2005.
 50. *Modeling the electrophoretic mobility of beta-blockers in capillary electrophoresis using artificial neural networks*, Jouyban, A., Majidi, M.R. and Asadpour-Zeynali, K., *Il Farmaco*, 60, 255-259, 2005.
 51. *Calculation of the viscosity of binary liquids at various temperatures using Jouyban-Acree model*, Jouyban, A., Khoubnasabjafari, M., Vaez-Gharamaleki, Z., Fekari, Z. and Acree, W.E. Jr., *Chemical and Pharmaceutical Bulletin*, 53, 519-523, 2005.
 52. *Genetic algorithm based potential selection in simultaneous voltammetric determination of isoniazid and hydrazine by using partial least squares (PLS) and artificial neural networks (ANNs)*, Majidi, M.R., Jouyban, A., Asadpour-Zeynali, K., *Electroanalysis*, 17, 915-918, 2005.
 53. *A unified cosolvency model for calculating solute solubility in mixed solvents*, Jouyban, A., Chew, N.Y.K., Chan, H.K., Sabour, M and Acree, W.E. Jr., *Chemical & Pharmaceutical Bulletin*, 53, 634-637, 2005.
 54. *Mathematical representation of solute solubility in a binary mixture of supercritical fluids by using Jouyban-Acree model*, Jouyban, A., Khoubnasabjafari, M. and Acree Jr., W.E., *Die Pharmazie*, 60, 527-529, 2005.
 55. *Mathematical representation of the density of liquid mixtures at various temperatures using Jouyban-Acree model*, Jouyban, A., Fathi Azarbayjani, A., Khoubnasabjafari, M. and Acree, Jr., W. E., *Indian Journal of Chemistry A*, 44, 1553-1560, 2005.
 56. *Prediction of the retention factor in micellar electrokinetic chromatography using computational descriptors and an artificial neural network*, Jouyban, A., Jalilzadeh, H. Yeghanli, S. and Asadpour-Zeynali, K., *Polish Journal of Chemistry*, 79, 1565-1574, 2005.
 57. *Modelling the electrophoretic mobility of analytes in binary solvent electrolyte systems in capillary electrophoresis using artificial neural network*, Jouyban, A., Majidi, M.R., Altria, K.D., Clark, B.J., Asadpour-Zeynali, K., *Die Pharmazie*, 60, 656-660, 2005.
 58. *A simple spectrophotometric method for determination of sodium diclofenac in pharmaceutical formulations*, Matin, A.A., Farajzadeh, M.A., Jouyban, A., *Il Farmaco*, 60, 855-858, 2005.

59. *Modeling of retention factors of analytes in chromatography with ternary solvent mobile phases*, Jouyban, A., Vaez-Gharamaleki, Z., Matin, A.A., Djozan, Dj., Acree W.E. Jr., *Chemical Analysis (Warsaw)*, 50, 981-989, 2005.
60. *Mathematical representation of analyte's capacity factor in binary solvent mobile phases using Jouyban-Acree model*, Jouyban, A., Rashidi, M.R., Vaez-Gharamaleki, Z., Matin, A.A., Djozan, Dj., *Die Pharmazie*, 60, 827-829, 2005.
61. *Mathematical representation of solubility of electrolytes in binary solvent mixtures using Jouyban-Acree model*, Khoubnasabjafari, M., Jouyban, A., Acree, Jr. W.E., *Chemical and Pharmaceutical Bulletin*, 53, 1591-1593, 2005.
62. *Theoretical and empirical approaches to express the mobility of small ions in capillary electrophoresis*, Jouyban, A., Kenndler, E., *Electrophoresis*, 27, 992-1005, 2006.
63. *Modeling the solvatochromic parameter (E_T^N) of mixed solvents with respect to solvent composition and temperature using Jouyban-Acree model*, Jouyban, A., Khoubnasabjafari, M. and Acree, W.E. Jr., *Daru*, 14, 22-25, 2006.
64. *Solubility prediction of paracetamol in binary and ternary solvent mixtures using Jouyban-Acree model*, Jouyban, A., Chan, H.K., Chew, N.Y.K., Khoubnasabjafari, M and Acree, W.E. Jr., *Chemical and Pharmaceutical Bulletin*, 54, 428-431, 2006.
65. *Voltammetric behavior and determination of isoniazid in pharmaceuticals by using overoxidized polypyrrole glassy carbon modified electrode*, Majidi, M.R., Jouyban, A., Asadpour-Zeynali, K., *Journal of Electroanalytical Chemistry*, 589, 32-37, 2006.
66. *Refractive index correlation of solvent mixtures at various temperatures*, Jouyban, A., Soltani, S., Khoubnasabjafari, M., Acree Jr., W.E., *Asian Journal of Chemistry*, 18, 2037-2040, 2006.
67. *Solubility prediction of salicylic acid in water-ethanol-propylene glycol mixtures using Jouyban-Acree model*, Jouyban, A., Chew, N.Y.K., Chan, H.K., Khoubnasabjafari, M., Acree, W.E. Jr., *Die Pharmazie*, 61, 318-321, 2006.
68. *Correlation of capacity factor of analytes in quaternary solvent mobile phases using Jouyban-Acree model*, Hanaee, J., Jouyban, A., Rashidi, M.R., Esnaashari, S., Acree, W.E. Jr., *Die Pharmazie*, 61, 417-419, 2006.
69. *Phenobarbital and phenytoin serum levels in children with status epilepticus and refractory status*

- epilepticus candidate for midazolam infusion, Barzegar, M., Rashidi, M.R., Jafari Rouhi, A.H., Jouyban, A. Jabbaribar, F. Melekian, A., Child Neurology (Medimond Proceedings), 1-4, 2006.*
70. *Simultaneous voltammetric determination of cysteine, tyrosine and tryptophan by using principal component-artificial neural networks (PC-ANNs), Majidi, M.R., Jouyban, A., Abdollahi, H., Asadpour-Zeynali, K., Asian Journal of Chemistry, 18, 2445-2457, 2006.*
71. *Solubility prediction of anthracene in non-aqueous solvent mixtures using a combination of Jouyban-Acree and Abraham models, Jouyban, A., Khoubnasabjafari, M., Acree Jr., W.E., Canadian Journal of Chemistry, 54, 874-885, 2006.*
72. *A membrane sensor for selective determination of bisacodyl in tablets, Maleki, R., Matin, A.A. and Jouyban, A., Journal of Chinese Chemical Society, 53, 613-618, 2006.*
73. *In silico prediction of drug solubility in water-ethanol mixtures using Jouyban-Acree model, Jouyban, A., Acree Jr., W.E., Journal of Pharmacy and Pharmaceutical Sciences, 9, 262-269, 2006.*
74. *Mathematical representation of solubility of amino acids in binary aqueous-organic solvent mixtures at various temperatures using Jouyban-Acree model, Jouyban, A., Khoubnasabjafari, M., Chan, H.K., Acree, W.E. Jr., Die Pharmazie, 61, 789-792, 2006.*
75. *Predicting solubility of anthracene in non-aqueous solvent mixtures using a combination of Jouyban-Acree and Abraham models, Jouyban, A., Khoubnasabjafari, M., Acree Jr., W.E., Chemical & Pharmaceutical Bulletin, 54, 1124-1130, 2006.*
76. *Solubility prediction of drugs in water-PEG 400 mixtures, Jouyban A., Chemical & Pharmaceutical Bulletin, 54, 1561-1566, 2006 .*
77. *Solubility prediction in non-aqueous binary solvents using a combination of Jouyban-Acree and Abraham models, Jouyban, A., Acree Jr., W.E., Fluid Phase Equilibria, 249, 24-32, 2006.*
78. *In silico prediction of drug solubility in water-dioxane mixtures using Jouyban-Acree model, Jouyban, A., Die Pharmazie, 62, 46-50, 2007.*
79. *Solubility prediction of pyrene in non-aqueous solvent mixtures using Jouyban-Acree model, Jouyban, A., Khoubnasabjafari, M., Acree Jr., W.E., Asian Journal of Chemistry, 19, 1853-1862, 2007.*
80. *Prediction of the optimized solvent composition for solubilization of drugs in water-cosolvent mixtures, Jouyban, A., Die Pharmazie, 62, 190-198, 2007.*
81. *Prediction of drug solubility in water-propylene glycol mixtures using Jouyban-Acree model, Jouyban, A., Die Pharmazie, 62, 365-367, 2007.*

82. *Prediction of drug solubility in ethanol-ethyl acetate mixtures at various temperatures using the Jouyban-Acree model*, Jouyban, A., Acree Jr., W.E., *Journal of Drug Delivery Science and Technology*, 17, 159-160, 2007.
83. *PVC membrane sensor for diclofenac: Applications in pharmaceutical analysis and drug binding studies*, Maleki, R., Matin, A.A., Hosseinzadeh, R., Jouyban, A., *Pharmazie*, 62, 672-677, 2007.
84. *Electrocatalytic oxidation of hydrazine at overoxidized polypyrrole film modified glassy carbon electrode*, Majidi, M.R., Jouyban, A., Asadpour-Zeynali, K., *Electrochimica Acta*, 52, 6248-6253, 2007.
85. *Solubility prediction of drugs in water-cosolvent mixtures using Abraham solvation parameters*, Jouyban, A., Soltanpour, Sh., Soltani, S., Acree Jr., W.E., *Journal of Pharmacy and Pharmaceutical Sciences*, 10, 263-277, 2007.
86. *Solubility prediction of drugs in supercritical carbon dioxide using artificial neural network*, Jouyban, A., Soltani, S., Asadpour-Zeynali, K., *Iranian Journal of Pharmaceutical Research*, 6, 243-250, 2007.
87. *Modeling vasorelaxant activity of some drugs/drug candidates using artificial neural networks*, Soltani, S., Babaei, H., Asadpour Zeynali K., Jouyban A., *Journal of Pharmacology and Toxicology*, 2, 411-426, 2007.
88. *Ab initio solubility prediction of non-electrolytes in ternary solvents using a combination of Jouyban-Acree and Abraham models*, Jouyban, A., Khoubnasabjafari, M., Hamidi, A.A., Acree Jr., W.E., *Asian Journal of Chemistry*, 20, 3413-3437, 2008.
89. *Headspace SPME–GC method for acetone analysis and its biomedical application*, Matin, A.A., Maleki, R., Farajzadeh, M. A., Farhadi, Kh., Hosseinzadeh, R., Jouyban, A., *Chromatographia*, 66, 383-387, 2007, (Sep).
90. *Modelling the deviations of solubilities in water-dioxane mixtures from predicted solubilities by the Jouyban-Acree model*, Jouyban, A., Fakhree, M.A.A., Hamzeh-Mivehroud, M., Acree Jr., W.E., *Journal of Drug Delivery Science and Technology*, 17, 359-363, 2007 (Sep.).
91. *Deviations of drug solubility in water-cosolvent mixtures from the Jouyban-Acree model. Effect of solute structure*, Jouyban, A., Fakhree, M.A.A., Ghafourian, T., Saei, A.A., Acree Jr., W.E., *Die Pharmazie*, 63, 113-121, 2008, (Feb).
92. *Determination of total phenols in tea infusions, tomato and apple juice by terbium sensitized fluorescence method as an alternative approach to the Folin-Ciocalteu spectrophotometric method*, Shaghghi, M., Manzoori, J.L., Jouyban, A., *Food Chemistry*, 108, 695-701, 2008 (May).

93. *Naphthalene solubility in binary solvent mixtures of 2, 2, 4-trimethylpentane + alcohols at 298.15 K*, Shayanfar, A., Soltani, S., Jabbaribar, F., Hamidi, A.A., Acree, Jr., W.E. Jouyban, A., *Journal of Chemical Engineering Data*, 53, 574-577, 2008 (Jan).
94. *Review of the cosolvency models for predicting solubility of drugs in water-cosolvent mixtures*, Jouyban, A., *Journal of Pharmacy and Pharmaceutical Sciences*, 11, 32-57, 2008 (Jan).
95. *Solubility prediction of paracetamol in water-ethanol-propylene glycol mixtures at 25 and 30 °C using practical approaches*, Jouyban, A., Azarmir, O., Mirzaei, Sh., Hassanzadeh, D., Ghafourian, T., Acree Jr., W.E., Nokhodchi, A., *Chemical & Pharmaceutical Bulletin*, 56, 602-606, 2008 (Apr).
96. *Solubility of anthracene in ternary solvent mixtures of 2, 2, 4-trimethylpentane + 2-propanone + alcohols at 298.15 K*, Shayanfar, A., Soltani, S., Jabbaribar, F., Tamizi, E., Acree, Jr., W.E., Jouyban, A., *Journal of Chemical Engineering Data*, 53, 890-893, 2008 (Feb).
97. *A new definition of solubilization power of a cosolvent*, Jouyban, A., Fakhree, M.A.A., *Die Pharmazie*, 63, 317-319, 2008 (Apr).
98. *Solubility prediction of solutes in non-aqueous binary solvent mixtures*, Jouyban, A., Khoubnasabjafari, M., Soltani, S., Soltanpour, Sh., Tamizi, E., Acree, Jr. W.E., *Journal of the Brazilian Chemical Society*, 19, 604-610 + S1-S9, 2008 (March).
99. *Solubility of sodium diclofenac in binary water + alcohol solvent mixtures at 25 °C*, A.A. Saei, A.A., Jabbaribar, F., Fakhree, M.A.A. , Acree, Jr., W.E., Jouyban, A., *Journal of Drug Delivery Science and Technology*, 18, 149-151, 2008 (March).
100. *Solubility prediction of solutes in aqueous mixtures of ethylene glycols*, Jouyban, A., Soltanpour, Sh., Tamizi, E., *Die Pharmazie*, 63, 548-550, 2008 (July).
101. *Impurity analysis of pharmaceuticals using capillary electromigration methods*, Jouyban, A., and Kenndler, E., *Electrophoresis*, 29, 3531-3551, 2008 (Aug.).
102. *Solubility of anthracene in quaternary solvent mixtures of 2,2,4-trimethylpentane + 2-propanone + methanol + alcohols at 298.15 K*, Shayanfar, A., Soltanpour, Sh., Jabbaribar, F., Hamidi, A.A., Acree, Jr., W.E. Jouyban, A., *Journal of Chemical Engineering Data*, 53, 2250-2253, 2008 (Sept.)
103. *Comments concerning "Study of solute-solvent and solvent-solvent interactions in pure and mixed binary solvents"*, Jouyban, A., Acree Jr., W.E., *Journal of Molecular Liquids*, 142, 158-160, 2008 (Aug).
104. *Comments on "Thermophysical properties of para-anisaldehyde (1) + chlorobenzene (2) at temperatures of (303.15, 313.15, and 323.15) K and a pressure of 0.1 MPa"*, Jouyban, A., Acree Jr., W.E., *Journal of*

- Chemical and Engineering Data*, 53, 1999-2000, 2008 (Aug).
105. *Ultrasonic assisted SPME coupled with GC and GC-MS using pencil lead as a fiber to monitoring the organic volatile impurities of ceftazidime*, Djozan, Dj., Jouyban, A., Norouzi, J., *Journal of Chromatographic Science*, 46, 680-685, 2008 (Sept.).
 106. *Incense as a pharmaceutical dosage form*, Fakhree, M.A.A., Jouyban, A., *Medical Hypotheses*, 71, 979, 2008.
 107. *Solubility prediction methods for drug/drug like molecules*, Jouyban, A., Fakhree, M.A.A., Shayanfar, A., *Recent Patents on Chemical Engineering*, 1, 220-231, 2008 (Nov.).
 108. *Analysis of oseltamivir in Tamiflu® capsules using micellar electrokinetic chromatography*, Jabbaribar, F., Mortazavi, A.R., Jalali-Milani, R., Jouyban, A., *Chemical and Pharmaceutical Bulletin*, 56, 1639-1644, 2008 (Dec).
 109. *Catalytic activity and stability of xanthine oxidase in hydro-organic mixtures*, Rashidi, M.R., Soruraddin, M.H., Taherzadeh, F., Jouyban, A., *Biochemistry (Moscow)*, 74, 97-101, 2009 (Jan).
 110. *Indirect spectrofluorimetric determination of omeprazole by its quenching effect on the fluorescence of Tb³⁺-1,10-phenanthroline complex in presence of bis (2-ethylhexyl) sulfosuccinate sodium in capsule formulations*, Shaghaghi, M., Manzoori, J.L., Jouyban, A., *DARU*, 16, 256-262, 2008 (Dec).
 111. *Determination of phenytoin and its major metabolite in human serum by micellar electrokinetic chromatography*, Jabbaribar, F., Mortazavi, A.R., Jouyban, A., *Journal of Chromatographic Science*, 47, 877-880, 2009 (Nov.).
 112. *Prediction of drug solubility in mixed solvents using computed Abraham parameters*, Jouyban, A., Soltanpour, Sh., Soltani, S., Tamizi, E., Fakhree, M.A.A., Acree Jr., W.E., *Journal of Molecular Liquids*, 146, 82-88, 2009 (Jun).
 113. *Solubility of lamotrigine, diazepam and clonazepam in ethanol+water mixtures at 298.15 K*, Shayanfar, A., Fakhree, M.A.A., Acree, Jr., W.E., Jouyban, A., *Journal of Chemical Engineering Data*, 54, 1107-1109, 2009 (Mar).
 114. *Comments on "Solubility of ethyl maltol in aqueous ethanol mixtures"*, Jouyban, A., Acree Jr., W.E., *Journal of Chemical and Engineering Data*, 54, 1168-1170, 2009 (Mar).
 115. *HPLC method for simultaneous determination of five antiepileptic drugs in rat plasma*, Karami, A.R., Tamizi, E., Samini, M., Jabbaribar, F., Jouyban, A., *Asian Journal of Chemistry*, 21, 6501-6507, 2009 (Jun).

116. Solubility of lamotrigine, diazepam, clonazepam and phenobarbital in proylene glycol+water mixtures at 298.15 K, Shayanfar, A., Acree, Jr., W.E. Jouyban, A., *Journal of Chemical Engineering Data*, 54, 1153-1157, 2009 (Mar).
117. Effects of memantine on plasma concentrations of carbamazepine and pheytoin in rats: A controlled experimental study, Karami-Bonary, A. R., Jouyban, A., Tamizi, E., Ejtemaei-Mehr, Sh., Samini, M., *Current Therapeutic Research, Clinical and Eexperimental*, 70, 359-365, 2009 (Oct.).
118. Solubility of clonazepam, diazepam, lamotrigine, and phenobarbital in N-methyl 2-pyrrolidone + water mixtures at 298.15 K, Shayanfar, A., Acree, Jr., W.E. Jouyban, A., *Journal of Chemical Engineering Data*, 54, 2964-2966, 2009 (Oct.).
119. Solubility of phenanthrene in binary mixtures of C₁-C₄ alcohols + 2-propanol and ethanol + methanol at 298.15 K, Fakhree, M. A. A., Shayanfar, A., Acree, Jr., W.E. Jouyban, A., *Journal of Chemical Engineering Data*, 54, 1405-1408, 2009 (Apr).
120. Analytical methods for determination of antiepileptic drugs, Jabbaribar, F., Mortazavi, A.R., Jouyban, A., *Current Pharmaceutical Analysis*, 5, 277-345, 2009 (Aug).
121. Solubility of chlordiazepoxide, diazepam, and lorazepam in ethanol + water mixtures at 303.2 K, Jouyban, A., Shokri, J. Barzegar-Jalali, M., Hassanzadeh, D., Acree, Jr., W.E., Ghafourian, T., Nokhodchi, A., *Journal of Chemical Engineering Data*, 54, 2142-2145, 2009 (July).
122. Solubility prediction of paracetamol in water-glycerol mixtures at 25 and 30 °C using Jouyban-Acree model, Jouyban, A., Fakhree, M.A.A., Mirzaei, Sh., Ghafourian, T., Soltanpour, Sh., Nokhodchi, A., *Asian Journal of Chemistry*, 21, 7249-7253, 2009 (Oct.).
123. Headspace solid-phase microextraction gas chromatography method for the determination of valproic acid in human serum and formulations using hollow-fiber coated wire as SPME fiber, Farajzadeh, M.A., Farhadi, Kh., Matin, A.A., Hashemi, P., Jouyban, A., *Analytical Sciences*, 25, 875-879, 2009 (Jul).
124. Mathematical representation of xanthine oxidase in hydro-organic mixtures, Jouyban, A., Taherzadeh, F., Soruraddin, M.H., Rashidi, M.R., *Bioresource Technology*, 100, 6635-6638, 2009 (Dec).
125. Solubility of benzodiazepines in polyethylene glycol 200 + water mixtures at 303.2 K, Jouyban, A., Shokri, J. Barzegar-Jalali, M., Hassanzadeh, D., Acree, Jr., W.E., Ghafourian, T., Nokhodchi, A., *Journal of Chemical Engineering Data*, 55, 519-522, 2010 (Jan).
126. Impact of surface tension in pharmaceutical sciences, Fathi-Azarbayjani, A., Jouyban, A., Chan, S. Y., *Journal of Pharmacy and Pharmaceutical Sciences*, 12, 218-228, 2009 (Aug).

127. *Total phenols and vitamin C contents of Iranian fruits*, Nikniaz, Z, Mahdavi, R., Rafráf, M., Jouyban, A., *Nutrition & Food Science*, 39, 603-608, 2009.
128. *Solubility of 7-chloro-2-methylamino-5-phenyl-3H-1,4-benzodiazepine-4-oxide, 7-chloro-1,3-dihydro-1-methyl-5-phenyl-2H-1,4-benzodiazepin-2-one, and 7-Chloro-5-(2-chlorophenyl)-3-hydroxy-1,3-dihydro-1,4-benzodiazepin-2-one in (propane-1,2-diol + water) at a Temperature of 303.2 K*, Jouyban, A., Shokri, J. Barzegar-Jalali, M., Hassanzadeh, D., Acree, Jr., W.E., Ghafourian, T., Nokhodchi, A., *Journal of Chemical Engineering Data*, 55, 539-542, 2010 (Jan).
129. *Solubility of pioglitazone hydrochloride in aqueous solutions of ethanol, propylene glycol, and N-methyl-2-pyrrolidone at 298.2 °K*, Soltanpour, Sh., Acree, Jr., W.E., Jouyban, A., *AAPS PharmSciTech*, 10, 1153-1157, 2009 (Dec).
130. *Effect of different concentrations of poly(vinyl pyrrolidone) on the solubility of lamotrigine and diazepam in ethanol + water mixtures at 298.2 K*, Soltanpour, Sh., Acree, Jr., W.E., Jouyban, A., *Journal of Chemical and Engineering Data*, 55, 570-573, 2010 (Jan).
131. *Modeling the effects of different mobile phase compositions and temperatures on the retention of various analytes in HPLC*, Jouyban, A., Soltanpour, Sh., Acree Jr., W.E., Thomas, D., Agrafiotou, P., Pappalouisi, A., *Journal of Separation Science*, 32, 3898-3905, 2009 (Dec.).
132. *Determination of flavonoids in pharmaceutical preparations using terbium sensitized fluorescence method*, Shaghaghi, M., Manzoori, J.L., Afshar, Dj., Jouyban, A., *Daru*, 17, 264-268, 2009 (Oct).
133. *Solubility of budesonide, hydrocortisone, and prednisolone in ethanol + water mixtures at 298.2 K*, Ali, H.S.M, York, P., Blagden, N., Soltanpour, Sh., Acree, Jr., W.E., Jouyban, A., *Journal of Chemical and Engineering Data*, 55, 578-582, 2010 (Jan).
134. *Improved prediction of drug solubilities in ethanol + water mixtures at various temperatures*, Jouyban, A., Soltanpour, Sh., Acree, Jr., W.E., *Biomedicine International*, 1, 19-25, 2010 (Jan).
135. *Solubility of pioglitazone hydrochloride in polyethylene glycol 600 – ethanol - water mixtures at 25 °C*, Jouyban, A., Soltanpour, Sh., *Latin American Journal of Pharmacy*, 29, 825-829, 2010 (May).
136. *Solubility of acetaminophen and ibuprofen in binary and ternary mixtures of polyethylene glycol 600, ethanol and water*, Soltanpour, Sh., Jouyban, A., *Chemical and Pharmaceutical Bulletin*, 58, 219-224, 2010 (Feb).
137. *Solubility prediction of clonazepam in aqueous mixtures of ethanol, polyethylene glycol 200 and propylene glycol at 30 °C*, Jouyban, A., Shokri, J. Barzegar-Jalali, M., Hassanzadeh, D., Acree, Jr.,

- W.E., Ghafourian, T., Nokhodchi, A., *Journal of Drug delivery Science and Technology*, 20, 149-151, 2010 (Mar).
138. Solubility of phenanthrene in binary mixtures of C1-C4 alcohols at 298.2 K, Fakhree, M. A. A., Shayanfar, A., Acree, Jr., W.E. Jouyban, A., *Journal of Chemical and Engineering Data*, 55, 531-534, 2010 (Jan).
139. Solubility of anthracene in binary and ternary mixtures of cyclohexanone, ethyl acetate, and methanol at 298.2 K, Jouyban, A., Manzoori, J. L., Panahi-Azar, V., Soleymani, J., Fakhree, M. A. A., Shayanfar, A., Acree Jr., W. E., *Journal of Chemical and Engineering Data*, 55, 2607-2609, 2010 (Jul).
140. Solubility of lamotrigine and diazepam in propylene glycol + water + carboxymethyl cellulose mixtures at 298.2 K, Soltanpour, Sh., Jouyban, A., *Journal of Chemical and Engineering Data*, 55, 2890-2893, 2010 (Aug.)
141. Solubility of 5-(2-Chlorophenyl)-7-nitro-1,3-dihydro-1,4-benzodiazepin-2-one, 7-Chloro-1-methyl-5-phenyl-3H-1,4-benzodiazepin-2-one, and 6-(2,3-Dichlorophenyl)-1,2,4-triazine-3,5-diamine in the Mixtures of Poly(ethylene glycol) 600, Ethanol, and Water at a Temperature of 298.2 K, Soltanpour, Sh., Acree Jr., W. E., Jouyban, A., *Journal of Chemical and Engineering Data*, 55, 1727-1731, 2010 (Apr).
142. Solubility of pioglitazone hydrochloride in binary mixtures of polyethylene glycol 400 with ethanol, propylene glycol, N-methyl-2-pyrrolidone, and water at 298.2 K, Jouyban, A., Soltanpour, Sh., *Chemical & Pharmaceutical Bulletin*, 58, 1132-1135, 2010 (Sep).
143. Prediction of electrophoretic mobility of analytes in capillary electrophoresis using molecular connectivity indices, Soltani, S., Dastmalchi, S., Jouyban, A., *Asian Journal of Chemistry*, 22, 4727-4734, 2010 (May).
144. QSAR analysis of diaryl COX-2 inhibitors: Comparison of feature selection and train-test data selection methods, Soltani, S., Abolhasani, H., Zarghi, A., Jouyban, A., *European Journal of Medicinal Chemistry*, 47, 2753-2760. 2010 (May).
145. Modeling the retention behavior of analytes in RP-HPLC with mixed solvent mobile phases using Jouyban-Acree and Abraham models, Jouyban, A., Soltani, S., Fathi-Azarbayjani, A., Acree Jr., W.E., *Analytical Methods*, 2, 1286-1297, 2010 (Sep).
146. Determination and comparison of total polyphenol and vitamin C contents of natural fresh and commercial fruit juices, Mahdavi, R., Nikniaz, Z., Rafraf, M., Jouyban, A., *Pakistan journal of Nutrition*, 9, 968-972, 2010 (Oct).

147. Solubility prediction of polycyclic aromatic hydrocarbons in non-aqueous solvent mixtures, Jouyban, A., Shayanfar, A., Acree, Jr., W.E., *Fluid Phase Equilibria*, 293, 47-58, 2010 (Apr.).
148. Solubility of acetaminophen and ibuprofen in polyethylene glycol 600, propylene glycol and water mixtures at 25 °C, Soltanpour, Sh., Jouyban, A., *Journal of Molecular Liquids*, 155, 80-84, 2010 (Jul).
149. Solubility of phenanthrene in ternary mixtures of C1-C4 alcohols at 298.2 K, Fakhree, M. A. A., Acree, Jr., W.E. Jouyban, A., *Industrial Engineering & Chemistry Research*, 49, 6238-6242, 2010 (Jul).
150. Prediction of dielectric constants of binary solvents at various temperatures, Jouyban, A., Soltanpour, Sh., *Journal of Chemical and Engineering Data*, 55, 2951-2963, 2010 (Sep).
151. Spectrofluorimetric determination of buparvaquone in biological fluids, food samples and a pharmaceutical formulation by using terbium-deferasirox probe, Manzoori, J. L., Jouyban, A., Amjadi, M., Panahi-Azar, V., Karami-Bonari, Tamizi, E., *Food Chemistry*, 126, 1845-1849, 2011 (Jan.).
152. Effect of vitamin C and melatonin on cysteamine-induced duodenal ulcer in cholestatic rats: A controlled experimental study, Rezvanjoo, B, Rashidi, S., Jouyban, A., Shirazi Beheshtiha, S.H., Samini, M., *Current Therapeutic Research, Clinical and Experimental*, 71, 322-330, 2010 (Oct.).
153. Solubility of Anthracene in C1-C3 Alcohols at 298.2 to 333.2 K and Their Mixtures with 2-Propanone at 298.2 K, Jouyban, A., Manzoori, J. L., Soleymani, J., Panahi-Azar, V., Fakhree, M. A. A., Ahmadian, S., Shayanfar, A., Acree Jr., W. E., *Journal of Chemical and Engineering Data*, 55, 5319-5322, 2010 (Nov.).
154. A simple QSPR model to predict aqueous solubility of drugs, Shayanfar, A., Fakhree, M. A. A., Jouyban, A., *Journal of Drug Delivery Science and Technology*, 20, 467-476, 2010 (Nov.).
155. Terbium sensitized fluorescence method for the determination of deferasirox in biological fluids and tablet formulation, Manzoori, J.L., Jouyban, A., Amjadi, M., Panahi-Azar, V., Tamizi, E., Vaez-Gharamaleki, J., *Luminescence: The Journal of Biological and Chemical Luminescence*, 26, 244-250, 2011 (Aug.).
156. Spectrofluorimetric determination of folic acid in tablets and urine samples using 1,10-phenanthroline-terbium probe, Manzoori, J. L., Jouyban, A., Amjadi, M., Soleymani, J., *Luminescence: The Journal of Biological and Chemical Luminescence*, 26, 106-111, 2011 (Mar-Apr).
157. Spectroscopic studies on the interaction of quercetin-Tb(III) complex with calf thymus DNA, Dehghan, Gh., Ezzati Nazhad Dolatabadi, J., Jouyban, A., Asadpour-Zeynali, K., Ahmadi, S.M., Kashanian, S., *DNA and Cell Biology*, 30, 195-201, 2011 (Mar.).
158. Comparison of the effects of hypericin and synthetic antidepressants on the expression of morphine-

- induced conditioned place preference, Assadi, A., Zarrindast, M.R., Jouyban, A., Samini, M., Iranian Journal of Pharmaceutical Research, 10, 619-626, 2011.*
159. *Study of the solubility of some sodium sulfonamides in ethanol + water cosolvent mixtures and correlation with the Jouyban-Acree model, Delgado, D.R., Martínez, F., Fakhree, M.A.A., Jouyban, A., Biomedicine International, 2, 5-11, 2011 (May).*
160. *Review of pharmaceutical applications of N-methyl-2-pyrrolidone, Jouyban, A., Fakhree, M. A. A., Shayanfar, A., Journal of Pharmacy and Pharmaceutical Sciences, 13, 524-535, 2010 (Nov.).*
161. *Optimization and validation of an isocratic HPLC-UV method for the simultaneous determination of 5 drugs used in combined cardiovascular therapy in human plasma, Soltani, S., Jouyban, A., Asian Journal of Chemistry, 23, 1728-1734, 2011 (Jan).*
162. *Solubility of pioglitazone hydrochloride in binary and ternary mixtures of water, propylene glycol, and polyethylene glycols 200, 400 and 600 at 298.2 °K, Jouyban, A., Soltanpour, Sh., AAPS PharmSciTech, 11, 1713-1717, 2010 (Dec.).*
163. *Solubility of acetaminophen and ibuprofen in the mixtures of polyethylene glycol 200 or 400 with ethanol, and water, and density of solute-free mixed solvents at 298.2 K, Jouyban, A., Soltanpour, Sh., Acree Jr., W. E., Journal of Chemical and Engineering Data, 55, 5252-5257, 2010 (Nov.).*
164. *Solubility; still a challenging subject in pharmaceutical sciences: An editorial, Jouyban, A., Revista Vitae, 17, 241-242, 2010 (Nov.) (<http://aprendeonlinea.udea.edu.co/revistas/index.php/vitae>).*
165. *Prediction of blood-brain barrier permeation: The effect of ionization, Shayanfar, A., Soltani, S., Jouyban, A., Biological and Pharmaceutical Bulletin, 34, 266-271, 2011 (Feb.).*
166. *The importance of dielectric constant for drug solubility prediction in binary solvent mixture: Electrolyte and zwitterions in ethanol + water, Fakhree, M.A.A., Delgado, D., Martinez, F., Jouyban, A., AAPS PharmSciTech, 11, 1726-1729, 2010 (Dec.).*
167. *Novel cationic surfactant ion pair based solid phase microextraction fiber for nano-level analysis of BTEX, Hosseinzadeh, R., Tahmasebi, R., Farhadi, Kh., Moosavi-Movahedi, A.A., Jouyban, A., Badraghi, J., Colloids and Surfaces B: Biosurfaces 84, 13-17, 2011 (May).*
168. *Scientometric analysis of the major Iranian medical universities, Fakhree, M.A.A., Jouyban, A., Scientometrics, 87, 205-220, 2011 (Apr.).*
169. *Determination of methotrexate in biological fluids and a parenteral injection using terbium-sensitized method, Jouyban, A., Shaghaghi, M., Manzoori, J.L., Soleymani, J., Vaez-Gharamaleki, J., Iranian*

- Journal Pharmaceutical Research*, 10, 695-704, 2011 (Dec.).
170. *Catalan solvent scales as valuable resource for QSPR and QSAR*, Jouyban, A., Fakhree, M.A.A., Shayanfar, A., Ghafourian, T., *Journal Brazilian Chemical Society*, 22, 684-692, 2011 (Apr.).
171. *The effect of quince leaf decoction on renal injury induced by hypercholesterolemia in rabbits: A pilot study*, Jouyban, A., Shoja, M.M., Ardalan, M.R., Khoubnasabjafari, M., Sadighi, A.R., Shane Tubbs, R., Agutter, P.S., Ghabili, K., *Journal of Medicinal Plants Research*, 5, 5291-5295, 2011 (Oct.).
172. *Solubility of anthracene and phenanthrene in ethanol + 2,2,4-trimethylpentane mixtures at different temperatures*, Shayanfar, A., Eghrary, S.H., Sardari, F., Acree Jr., W. E., Jouyban, A., *Journal of Chemical and Engineering Data*, 56, 2290-2294, 2011 (May).
173. *Solubility of salicylic acid in ethanol, propylene glycol, and N-methyl-2-pyrrolidone at various temperatures and their binary mixtures at 298.2 K*, Jouyban, A., Panahi-Azar, V., Khonsari, F., *Journal of Molecular Liquids*, 160, 14-16, 2011 (Apr.).
174. *Determination and comparison of the total polyphenol contents of fresh and commercial fruit juices*, Mahdavi, R., Nikniaz, Z., Rafrat, M., Jouyban, A., *British Food Journal*, 113, 744-752, 2011 (June).
175. *Solubility prediction of drugs in mixed solvents using partial solubility parameters*, Jouyban, A., Shayanfar, A., Panahi-Azar, V., Soleymani, S., Yousefi, B.H., Acree Jr, W.E., York, P., *Journal of Pharmaceutical Sciences*, 100, 4368-4382, 2011 (Oct.).
176. *Modeling the effects of type and concentration of organic modifiers, column type and chemical structure of analytes on the retention in RP-HPLC using a single model*, Jouyban, A., Soltani, S., Shayanfar, A., Pappa-Louisi, A., *Journal of Chromatography A*, 1218, 6454-6463, 2011 (Aug.).
177. *Solubility of acetaminophen and ibuprofen in polyethylene glycol 600, N-methyl pyrrolidone and water mixtures*, Soltanpour, Sh., Jouyban, A., *Journal of Solution Chemistry*, 40, 2032-2045, 2011 (Dec.).
178. *Solubility of phenothiazine in water, ethanol, and propylene glycol at 298.2 to 338.2 K and their binary and ternary mixtures at 298.2 K*, Ahmadian, S., Soleymani, J., Panahi-Azar, V., Fakhree, M. A. A., Acree Jr., W. E., Jouyban, A., *Journal of Chemical and Engineering Data*, 56, 4352-4355, 2011 (Dec).
179. *Thermodynamic studies of fluphenazine decanoate solubility in propylene glycol + water mixtures and correlation with the Jouyban-Acree model*, Panahi-Azar, V., Shayanfar, a., Martinez, F., Acree, Jr., W.E., Jouyban, A., *Fluid Phase Equilibria*, 308, 72-77, 2011 (Jul).
180. *Mathematical representation of fluorescence intensity of probes in aqueous binary solvent mixtures*, Jouyban, A., Shaghaghi, M., Zoghi, E., Karami, N., Clark, B.J., Acree Jr., W.E., *Journal of Fluorescence*,

- 21, 2111-2116, 2011 (Nov.).
181. Solubility of pioglitazone HCl in ethanol, N-methyl pyrrolidone, polyethylene glycols and water mixtures at 298.2 °K, Soltanpour, Sh., Barzegar-Jalali, Jouyban, A., DARU, 19, 440-445, 2011 (Dec).
182. Phytochemistry and bioactivity of quince (*Cydonia oblonga* Mill.): A review, Khoubnasabjafari, M., Jouyban, A., *Journal of Medicinal Plants Research*, 5, 3577-3594, 2011 (Aug.).
183. Prediction of viscosity of binary solvent mixtures at various temperatures, Jouyban, A., Maljaei, S.H., Soltanpour, Sh., Fakhree, M.A.A., *Journal of Molecular Liquids*, 162, 50-68, 2011 (Jul).
184. A validated micellar liquid chromatographic method for simultaneous determination of furosemide, metoprolol and verapamil in human plasma, Soltani, S., Jouyban, A., *Bioanalysis* 4, 41-48, 2012 (Jan.).
185. Comparison of four models to predict intrinsic solubility of drugs, Shayanfar, A. Jouyban, A., *Latin American Journal of Pharmacy*, 30, 1525-1530, 2011 (July).
186. A quantitative structure – toxicity relationship of drugs on rat, Separham, A., Eghbal, M.A., Tamizi, E., Jouyban, A., *Revista Colombiana de Ciencias Químico Farmacéuticas*, 40, 27-46, 2011 (Sept.).
187. Volumetric properties of glycerol + water mixtures at several temperatures and correlation with the Jouyban-Acree model, Cristancho, D.M., Delgado, D.R., Martínez, F., Fakhree, M.A.A., Jouyban, A., *Revista Colombiana de Ciencias Químico Farmacéuticas*, 40, 92-115, 2011 (Sept.).
188. Study of some volumetric properties of glycerol formal + ethanol mixtures and correlation with the Jouyban-Acree model, Holguín, A.R., Delgado, D.R., Martínez, F., Khoubnasabjafari, M., Jouyban, A., *Revista Colombiana de Ciencias Químico Farmacéuticas*, 35, 315-328, 2011.
189. Electrochemical behavior of atenolol, carvedilol and propranolol on copper-oxide nanoparticles, Shadjou, N., Hasanzadeh, M., Saghatfroush, L., Mehdizadeh, R., Jouyban, A., *Electrochimica Acta*, 58, 336-347, 2011 (Nov.).
190. Contribution of Iranian Chemists in chemical research, in comparison to four leading states in the region, Khoubnasabjafari, M., Sadeghifar, E., Khalili, M, Vaez-Gharamaleki, J., Jouyban, A., *Revista Colombiana de Ciencias Químico Farmacéuticas*, 40, 240-260, 2011 (Dec.).
191. Volumetric properties of some pharmaceutical binary mixtures at low temperatures and correlation with the Jouyban-Acree model, Rodríguez, G.A., Delgado, D.R., Martínez F., Khoubnasabjafari, M., Jouyban, A., *Revista Colombiana de Ciencias Químico Farmacéuticas*, 40, 222-239, 2011 (Dec.).
192. Solubility of naproxen in ethyl acetate + ethanol mixtures at several temperatures and correlation with the Jouyban-Acree model, Rodríguez, G.A., Delgado, D.R., Martínez F., Jouyban, A., *Fluid Phase*

- Equilibria*, 320, 49-55, 2012 (Apr.).
193. *Protective effect of captopril on cysteamine-induced duodenal ulcer in rat*, Saghaei, F., Karimi, I., Jouyban, A., Samini, M., *Experimental and Toxicologic Pathology*, 64, 373-377, 2012 (Apr).
194. *Comments on "Measurement and correlation of solubilities of (Z)-2-(2-aminothiazol-4-yl)-2-methoxyiminoacetic acid in different pure solvents and binary mixtures of water + (ethanol, methanol, or glycol)"*, Jouyban, A., Fakhree, M.A.A., Acree Jr., W.E., *Journal of Chemical and Engineering Data*, 57, 1344-1346, 2012 (Apr.).
195. *HPLC determination of amlodipine in biological fluids using hollow fiber based liquid-liquid-liquid microextraction*, Heidari, H. Razmi, H. Jouyban, A., *Journal of Liquid Chromatography and Related Techniques*, 35, 963-976, 2012 (Apr.).
196. *A global model to predict density of non-aqueous binary solvent mixtures at various temperatures*, Jouyban, A., Maljaei, S.H., Khoubnasabjafari, M., Fathi-Azarbayjani, A., *Indian Journal of Chemistry A*, 51, 695-698, 2012 (May).
197. *Spectrofluorimetric determination of human serum albumin using terbium-danofloxacin probe*, Manzoori, J.L., Amjadi, M., Ramezani, A.M., Jouyban, A., *The Scientific World Journal*, Art No. 940541, 2012 (May).
198. *Solution thermodynamics of sodium diclofenac in ethanol + water mixtures and correlation with the Jouyban-Acree model*, Almanza, F., Holguín, A.R., Delgado, D.R. Martínez F., Jouyban, A., *Latin American Journal of Pharmacy*, 31, 427-436, 2012 (Apr).
199. *Density, viscosity, and surface tension of water + ethanol mixtures from 293 to 323 K*, Khattab, I.S., Bandarkar, F., Fakhree, M.A.A., Jouyban, A., *Korean Journal of Chemical Engineering*, 29, 812-817, 2012 (Jun).
200. *Solubility of losartan potassium in mono-solvents at different temperatures*, Eghrary, sh., Zarghami, R., Jouyban, A., *Latin American Journal of Pharmacy*, 31, 632-636, 2012.
201. *Research performances of Organization of Islamic Conference (OIC) members*, Khoubnasabjafari, M., Sadeghifar, S., Jouyban, A., *Bioimpact*, 2, 111-122, 2012.
202. *Preparation and characterization of ceramic/carbon coated Fe₃O₄ magnetic nanoparticle nanocomposite as a solid-phase microextraction adsorbent*, Heidari, H., Razmi, H., Jouyban, A., *Journal of Chromatography A*, 1245, 1-7, 2012.
203. *QSAR and pharmacophor studies of telomerase inhibitors*, Bozorgi, A.H., Tabatabaie Ghomi, H.,

- Jouyban, A., *Medicinal Chemistry Research*, 21, 853-866, 2012.
204. Solubility of Salbutamol and Salbutamol Sulphate in Ethanol + Water Mixtures at 25 °C, Ali, H.S.M., York, P., Blagden, Khoubnasabjafari, M., Acree Jr., Jouyban, A., *Journal of Molecular Liquids*, 173, 62-65, 2012 (Jul).
205. Determination of selenium in serum samples of preterm newborn infants with bronchopulmonary dysplasia using a validated hydride generation system, Mostafa-Gharehbaghi, M., Mostafa-Gharabaghi, P., Ghanbari, F., Abdolmohammad-Zadeh, H., Sadeghi, G.H., Jouyban, A., *Biological Trace Element Research*, 147, 1-7, 2012.
206. Volumetric properties of the glycerol formal + water cosolvent system and correlation with the Jouyban-Acree model, Delgado, D.R., Martinez F., Fakhree, M.A.A., Jouyban, A., *Physics and Chemistry of Liquids*, 50, 284-301, 2012.
207. Thermodynamic studies of fluphenazine decanoate solubility in PEG 200 + water mixtures, Panahi-Azar, V., Ahmadian, S., Martinez, F., Acree, Jr., W.E., Jouyban, A., *Fluid Phase Equilibria*, 330, 36-43, 2012 (Jul).
208. Quantitative structure – relaxant activity relationship of benzopyran derivatives, Soltani, S., Jafari, B., Babaei, H., Jouyban, A., *Biomedicine International*, 2, 55-63, 2011.
209. Determination of deferiprone in urine and serum samples using a terbium sensitized luminescence method, Manzoori, J. L., Soleymani, J., Amjadi, M., Tamizi, E., Rezamand, A., Jouyban, A., *Luminescence*, 27, 268-273, 2012 (Aug.).
210. Development and validation of a terbium sensitized luminescence analytical method for deferiprone, Manzoori, J. L., Soleymani, J., Amjadi, M., Tamizi, E., Panahi-Azar, V., Jouyban, A., *Iranian Journal of Pharmaceutical Research* 11, 771-780, 2012 (Aug.).
211. A principal component analysis approach for developing retention models in liquid chromatography, Nikitas, P., Pappa-Louisi, A., Tsoumachides, S., Jouyban, A., *Journal of Chromatography A*, 1251, 134-140, 2012 (Aug.).
212. Solubility of 2-butyl-3-benzofuranyl 4-(2-(diethylamino)ethoxy)-3,5-diiodophenyl ketone hydrochloride (amiodarone HCl) in ethanol + water and N-methyl-2-pyrrolidone + water mixtures at various temperatures, Eghrary, Sh., Zarghami, R., Martinez, F., Jouyban, A., *Journal of Chemical and Engineering Data*, 57, 1544-1550, 2012.
213. Volumetric properties of glycerol formal + propylene glycol mixtures at several temperatures and

- correlation with the Jouyban-Acree model, Rodríguez, G.A., Delgado, D.R., Martínez, F., Fakhree, M.A.A., Jouyban, A., Journal of Solution Chemistry, 41, 1477-1494, 2012 (Sep).*
214. Solubility of 3-ethyl 5-methyl (4RS)-2-((2-aminoethoxy)methyl)-4-(2-chlorophenyl)-1,4-dihydro-6-methyl-3,5-pyridinedicarboxylate, monobenzenesulfonate (amlodipine besylate) in ethanol + water and propylene glycol + water mixtures at various temperatures, Sardari, F. Jouyban, A., *Journal of Chemical and Engineering Data*, 57, 2848-2854, 2012 (Oct).
215. *Solubility of some basic drugs in dioxane + water mixtures at 298.2 K, Ramezani, A.M., Shayanfar, A., Manzoori, J.L., Jouyban, A., Latin American Journal of Pharmacy, 31, 1176-1181, 2012 (Oct).*
216. Analysis of losartan and carvedilol in urine and plasma samples using a DLLME-isocratic HPLC – UV method, Soltani, Ramezani, A.M., Soltani, N., Jouyban, A., *Bioanalysis*, 4, 2805-2821, 2012 (Nov.).
217. *Development and validation of a simple and rapid capillary zone electrophoresis method for quantification of heparin in a pharmaceutical product and stability studies, Tamizi, E., Jouyban, A., Pharmaceutica Analytica Acta, 3, 1-6, 2012.*
218. *Application of Abraham Solvation Parameters to Surface Tension Prediction of Solvent Mixtures at Various Temperatures, Khoubnasabjafari, M., Jouyban, V., Fathi Azarbayjani, A., Jouyban, A., Journal of Molecular Liquids, 178, 44-56, 2013 (Feb.).*
219. *A verapamil electrochemical sensor based on magnetic mobile crystalline material-41 grafted by chlorosulfonic acid, Hasanzadeh, M., Pournaghi-Azar, M. H., Shadjou, N., Jouyban, A., Electrochimica Acta, 89, 660-668, 2013 (Feb.).*
220. *Solubility of drugs in ethanol-ethyl acetate mixtures at various temperatures, Jouyban, V., Khoubnasabjafari, M., Martínez, F., Peña, A., Jouyban, A., Journal of Drug Delivery Science and Technology, 22, 545-547, 2012.*
221. *Solubility of lamotrigine in binary and ternary mixtures of N-methyl pyrrolidone and water with polyethylene glycols 200, 400, and 600 at 298.2 K, Soltanpour, Sh., Jouyban, A., Journal of Molecular Liquids, 180, 1-6, 2013 (Apr.).*
222. *Solubility of sulfapyridine in propylene glycol + water mixtures and correlation with the Jouyban-Acree model, Delgado, D.R., Rodríguez, G.A., Hulgins, A.R., Martínez F., Jouyban, A., Fluid Phase Equilib, 341, 86-95, 2013 (Mar).*
223. *Solubility of 2-hydroxybenzoic acid in water, 1-propanol, 2-propanol, and 2-propanone at 298.2 to 338.2 K and their aqueous binary mixtures at 298.2 K, Fakhree, M.A.A., Ahmadian S., Panahi-Azar, V., Acree*

- Jr. W.E., Jouyban, A., *Journal of Chemical Engineering Data*, 57, 3303-3307, 2012 (Oct.).
224. Solubility of clonazepam and diazepam in binary and ternary mixtures of polyethylene glycol 200, propylene glycol and water at 298.2 K, Soltanpour, Sh., Bastami, Z., Sadeghilar, S., Pouya, F., Koohestani, M., Jouyban, A., *Journal of Chemical and Engineering Data* 58, 307-314, 2013 (Feb).
225. Dispersive liquid-liquid microextraction based on solidification of floating organic droplet followed by spectofluorimetry for determination of carvedilol in human plasma, Zamani-Kalajah, M., Fazeli-Bakhtiyari, R., Amiri, M., Golmohammadi, A., Afrasiabi, A., Khoubnasabjafari, M., Jouyban, A., *Bioanalysis*, 5, 437-448, 2013 (Feb).
226. The effect of quince leaf (*Cydonia oblonga* Miller) decoction on testes in hypercholesterolemic rabbits: A pilot study. Ashrafi, H., Ghabili, K., Alihemmati, A., Jouyban, A., Shoja, M.M., Aslanabadi, S., Hamdi Adl, F., Ghavimi, H., Hajhosseini, L., *African Journal of Traditional and Complementary Alternative Medicine*, 10, 277-282, 2013 (Feb.).
227. Solution thermodynamics of piroxicam in some ethanol + water mixtures and correlation with the Jouyban-Acree model, Sotomayor, R.G., Holguín, A.R., Romdhani, A., Martínez F., Jouyban, A., *Journal of Solution Chemistry*, 42, 358-371, 2013 (Feb).
228. Volumetric properties of (PEG 400 + water) and (PEG 400 + ethanol) mixtures at several temperatures and correlation with the Jouyban-Acree model, Rodríguez, G.A., Hulgins, A.R., Martínez F., Khoubnasabjafari, M., Jouyban, A., *Revista Colombiana de Ciencias Químico Farmacéuticas*, 41, 187-202, 2012 (Dec.).
229. Quantitative structure activity relationship of imidazole-containing farnesyltransferase inhibitors using different chemometrics methods, Shayanfar, A., Ghasemi, S., Soltani, S., Asadpour-Zeynali, K., Doerksen, R.J., Jouyban, A., *Medicinal Chemistry*, 9, 434-448, 2013 (May).
230. Solubility of three basic drugs in propylene glycol + water mixtures in the presence of β -cyclodextrin, Soltani, N., Shaynafar, A., Djozan, Dj., Jouyban, A. *Journal of Drug Delivery Sciences and Technology*, 23, 187-190, 2013 (Feb.).
231. Spectrofluorimetric determination of heparin using terbium-danofloxacin probe, Manzoori, J.L., Amjadi, M., Ramezani, A.M., Jouyban, A., *Journal of Applied Spectroscopy*, 80, 108-114, 2013 (Jan).
232. Solubility of ranitidine hydrochloride in solvent mixtures of PEG 200, PEG 400, ethanol and propylene glycol at 25 °C, Soleymani, J., Djozan, Dj., Martínez, F., Jouyban, A., *Journal of Molecular Liquids*, 182, 91-94, 2013 (Jun.).

233. *Aldehyde oxidase activity and stability in water-miscible organic solvents*, Rashidi, M.R., Dehghany, M., Dehghan, G., Jouyban, A., Faridi, A., *Applied Biochemistry and Biotechnology*, 169, 901-910, 2013.
234. *Nickel-aluminum layered double hydroxide as a nano-sorbent for the solid phase extraction of selenium, and its determination by continuous flow HG-AAS*, Abdolmohammad-Zadeh, H., Jouyban, A., Amini, R., Sadeghi, G.H., *Micochimica Acta*, 180, 619-626, 2013 (Jun.).
235. *Modelling enzyme activity in aqueous-organic solvent mixtures at various temperatures*, Jouyban, A., Dehghany, M., Rashidi, M.R., Dehghan, Gh., Khoubnasabjafari, M., *Journal of King Saud University (Science)*, 25, 229-233, 2013 (Jun).
236. *Solubility of lamotrigine in binary and ternary mixtures of PEGs 200, 400 and 600 with Ethanol, PG and water at 298.2 K*, Soltanpour, Sh., Jouyban, A., *Chemical Engineering Communications*, 200, 1443-1456, 2013 (Nov.).
237. *Solubility of amiodarone HCl in propylene glycol + ethanol, propylene glycol + water and their ternary solvent mixtures at 25 and 37 °C*, Jouyban, A., Eghrary, Sh. H., Zarghami, R., *Journal of Molecular Liquids*, 186, 52-55, 2013 (Oct.).
238. *Mathematical representation of viscosity of ionic liquid + molecular solvent mixtures at various temperatures using Jouyban-Acree model*, Jouyban, A., Soleymani, J., Jafari, F., Khoubnasabjafari, M., Acree Jr., W.E., *Journal of Chemical and Engineering Data*, 58, 1523-1528, 2013 (May).
239. *Solubility and dissolution rate of a carbamazepin-cinamic acid cocrystal*, Shayanfar, A., Asadpour-Zeynali, Jouyban, A., *Journal of Molecular Liquids*, 187, 171-176, 2013 (Nov.).
240. *Ultratrace determination of arsenic in water samples by electrothermal atomic absorption spectrometry after pre-concentration with Mg-Al-Fe ternary layered double hydroxide nano-sorbent*, Abdolmohammad-Zadeh, H., Jouyban, A., Amini, R., *Talanta* 116, 604-610, 2013.
241. *Coamorphous atorvastatin calcium to improve its physicochemical and pharmacokinetic properties*, Shayanfar, A., Ghavimi, H., Hamishehkar, H., Jouyban, A., *Journal of Pharmacy and Pharmaceutical Sciences*, 16, 577-587, 2013.
242. *Serum selenium levels of the very low birth weight premature newborn infants with bronchopulmonary dysplasia*, Peirovanifar, A., Mostafa-Gharebaghi, M., Abdolmohammad-Zadeh, H., Sadeghi, G.H., Jouyban, A., *Journal of Trace Elements in Medicine and Biology*, 27, 317-321, 2013 (Oct).
243. *Solubility of nifedipine in ethanol + water and propylene glycol + water mixtures at (293.2 to 313.2) K*, Sardari, F., Jouyban, A., *Industrial Engineering & Chemical Research*, 52, 14353-14358, 2013 (Sept).

244. *Solubility of methocarbamol in some cosolvent + water mixtures at 298.15 K*, Cárdenas., Z.J., Jiménez, D.M., Rodríguez, G.A., Delgado, D.R., Martínez, F., Khoubnasabjafari, M., Jouyban, A., *Journal of Molecular Liquids*, 188, 162-166, 2013.
245. *Studies of interaction between terbium³⁺-deferasirox and double helix DNA by spectral and electrochemical methods*, Shaghghi, M., Dehghan, Gh., Jouyban, A., Sistani, P., Arvin, M., *Spectrochimica Acta – A*, 120, 467-472, 2014 (Feb.).
246. *Drug-drug coamorphous systems: characterization and physicochemical properties of coamorphous atorvastatin with carvedilol and glibeclamide*, Shayanfar, A., Jouyban, A., *Journal of Pharmaceutical Innovation*, 8, 218-228, 2013 (Oct).
247. *Effect of pioglitazone on plasma levels of phenytoin in rats*, Samini, M., Ghavimi, H., Shayanfar, A., Jouyban, A., *Journal of Cardio-Thoracic Medicine*, 1, 100-103, 2013.
248. *Quantitative structure-activity relationship of peptide bitter taste: Comparison of GA-PLS-MLR, SVM, and ANN approaches*, Soltani, S., Shayanfar, A., Haghaei, H., Vallipour, V., Asadpour Zeynali, K., Jouyban, A., *Biomed Research International*, Article ID 501310, 2013 (Nov.).
249. *Solubility of carvedilol in ethanol + propylene glycol mixtures at various temperatures*, Vahdati, S., Shayanfar, A., Hanaee, J., Martinez, F., Acree Jr., W.E., Jouyban, A., *Industrial & Chemistry Engineering Research*, 52, 16630-16636, 2013 (Nov.).
250. *Review on exhaled biomarkers in different pulmonary diseases*, Khoubnasabjafari, M., Ansarin, K., Jouyban, A., *Tabriz Medical Journal (in Persian)*, 35, 96-105, 2013.
251. *Solubility data of diazepam in binary and ternary mixtures of PEGs 200 and 400 with N-methyl pyrrolidone, and water at 298.2 K- experimental data report and modeling*, Soltanpour, Sh., Panahi-Azar, V., Bastami, Z., Jouyban, A., *Journal of Solution Chemistry*, 42, 2281-2295, 2013 (Dec.).
252. *Solubility of carbamazepine, nicotinamide and carbamazepine-nicotinamide cocrystal in ethanol-water mixtures*, Shayanfar, A., Velaga, S., Jouyban, A., *Fluid Phase Equilibria*, 363, 97-105, 2014.
253. *Solubility of sodium acetate in binary mixtures of methanol, 1-propanol, acetonitrile and water at 298.2 K*, Soleymani, J., Zamani-Kalajahi, M., Ghasemi, B., Kenndler, E., Jouyban, A., *Journal of Chemical and Engineering Data*, 58, 3399-3405, 2013 (Nov.).
254. *Magnetic nanoparticles incorporated on functionalized mesoporous silica: An advanced electrochemical sensor for simultaneous determination of amiodarone and atenolol*, Hasanzadeh, M., Pournaghi-Azar, M.H., Shadjou, N., Jouyban, A., *RSC Advances*, 4, 4710-4717, 2014.

255. *Analysis of pharmacy related publications, h-indices, and patents of 102 countries*, Ahmadian, S., Fakhree, M.A.A., Amini, A., Jouyban, A., *Pharmaceutical Sciences*, 19, 53-59, 2013.
256. *A new mechanistic approach to elucidate furosemide electrooxidation on magnetic nanoparticles loaded on graphene oxide modified glassy carbon electrode*, Hasanzadeh, M., Mohammad H. Pournaghi-Azar, Shadjou, N., Jouyban, A., *RSC Advances*, 4, 6580-6590, 2014.
257. *Solubility of glibenclamide in the aqueous mixtures of polyethylene glycol 400, propylene glycol and N-methyl-pyrrolidone at 298.2 K*, Soltanpour, Sh., Jafari, B., Barzegar-Jalali, M., Jouyban, A., *Journal of Drug Delivery Science and Technology*, 24, 111-115, 2014 (Jan).
258. *Salt assisted LLE combined with field-amplified sample stacking in CE for improved determination of beta blockers in human urine*, Fazeli-Bakhtiyari, R., Sorouraddin, M.H., Farajzadeh, M.A., Somi, M.H., Jouyban, A., *Bioanalysis*, 6, 314-334, 2014 (Feb.).
259. *Comments on "Prediction of drug solubility in lipid mixtures from the individual ingredients"*, Jouyban, A., Acree Jr., W.E., *AAPS PharmSciTech*, 15, 83-85, 2014 (Jan).
260. *Electropolymerization of taurine on gold electrode and its application for determination of captopril in untreated and undiluted human serum*, Hasanzadeh, M., Pournaghi-Azar, M.H., Shadjou, N., Jouyban, A., *Material Science and Engineering C*, 38, 197-205, 2014.
261. *Solubility of fluphenazine decanoate in aqueous mixtures of polyethylene glycols 400 and 600 at various temperatures*, Jouyban, A., Martinez, F., Panahi-Azar, V., *Fluid Phase Equilibria*, 368, 58-64, 2014 (Apr.).
262. *Solubility prediction of pharmaceuticals in dioxane + water mixtures at various temperatures: Effects of different descriptors and feature selection methods*, Jouyban, A., Shayanfar, A., Ghafourian, T., Acree Jr., W.E., *Journal of Molecular Liquids*, 195, 125-131, 2014 (Jul).
263. *Capillary electrophoresis with organic solvents in pharmaceutical analysis: A systematic guide through the background*, Jouyban, A., Kenndler, E., *Current Analytical Chemistry*, 10, 248-266, 2014.
264. *Spectrofluorimetric determination of cefixime using terbium-danofloxacin probe*, Manzoori, J.L., Amjadi, M., Soltani, N., Jouyban, A., *Iranian Journal of Basic Medical Sciences*, 17, 256-262, 2014 (Apr.).
265. *Development and validation of a new capillary electrophoresis assay for monitoring of atenolol photodegradation product in non-aqueous solution*, Hasanzadeh, M., Shadjou, N., Kazeman, I., Jouyban, A., *Analytical and Bioanalytical Electrochemistry*, 6, 219-233, 2014.
266. *Solubility of clonazepam and diazepam in mixtures of polyethylene glycols 400 or 600, propylene glycol*

- and water at 298.2 K- Experimental data and modeling, Bastami, Z., Soltanpour, Sh., Panahi-Azar, V., Jouyban, A., *Journal of Serbian Chemical Society*, 79, 445-456, 2014 (Apr.).
267. Physicochemical characterization of a new cocrystal of ketoconazole, Shayanfar, A., Jouyban, A., *Powder Technology*, 262, 242-248, 2014 (Apr.).
268. Solubility of ketoconazole in polyethylene glycol 200 + water mixtures at 298.2 – 318.2 K, Jouyban, A., Soleymani, J., Soltanpour, Sh., *Journal of Solution Chemistry* 43, 950-958, 2014.
269. Prediction of deferiprone solubility in aqueous mixtures of ethylene glycol, propylene glycol and polyethylene glycol 400 at various temperatures, Abbasi, M., Martinez, F., Jouyban, A., *Journal of Molecular Liquids*, 197, 171-175, 2014 (Sept.).
270. Solubility of acetaminophen and ibuprofen in binary and ternary mixtures of polyethylene glycols 200 and 400, propylene glycol and water at 25 °C, Soltanpour, Sh., Jouyban, A., *Chemical Engineering Communications*, 201, 1606-1619, 2014 (Dec.).
271. Interaction of human serum albumin with Fe (III)-deferasirox studied by multispectroscopic methods, Dehghan, Gh., Shaghghi, M., Sattari, S., Jouyban, A., *Journal of Luminescence*, 149, 251-257, 2014.
272. Non-aqueous electromigration analysis of some degradation products of carvedilol, Jouyban, A., Hasanzadeh, M., Shadjou, N., *Iranian Journal of Pharmaceutical Research*, 12, 471-482, 2014.
273. Desirability function approach for the optimization of in-syringe ultrasound-assisted emulsification–microextraction for the simultaneous determination of amlodipine and nifedipine in plasma samples, Heidari, H., Razmi, H., Jouyban, A., *Journal of Separation Science*, 37, 1467-1474, 2014.
274. Determination of lisinopril using β -cyclodextrin/graphene oxide-SO₃H modified glassy carbon electrode, Hasanzadeh, M., Pournaghi-Azar, M.H., Shadjou, N., Jouyban, A., *Journal of Applied Electrochemistry*, 44, 821-830, 2014.
275. Solubility determination of tris(hydroxymethyl)aminomethane in water + methanol mixtures at various temperatures using a laser monitoring technique, Jouyban-Gharamaleki, V., Jouyban-Gharamaleki, K., Soleymani, J., Acree Jr., W.E., Jouyban, A. *Journal of Chemical and Engineering Data*, 59, 2305-2309, 2014.
276. Solubility and preferential solvation of meloxicam in methanol + water mixtures at 298.15 K, Delgado, D.R., Jouyban, A., Martínez, F., *Journal of Molecular Liquids*, 197, 368-373, 2014.
277. Solubility of phenytoin in aqueous mixtures of ethanol and sodium dodecyl sulfate at 298 K, Jouyban, A., Panahi-Azar, V., Fakhree, M.A.A., Ahmadian, S., *Revista Colombiana de Ciencias Químico*

- Farmacéuticas*, 43, 153-161, 2014.
278. A stability indicating capillary electrophoresis method for analysis of busserelin, Tamizi, E., Kenndler, E., Jouyban, A., *Iranian Journal of Pharmaceutical Research*, 12, 797-805, 2014.
279. Composition and temperature dependence of density, surface tension and viscosity of EMIM DEP / MMIM DMP + water + 1-propanol / 2-propanol ternary mixtures and their mathematical representation using Jouyban-Acree model, Normazlan, W.M.D.W., Sairi, N.A., Alias, Y., Udaiyappan, A.F., Aroua, M.K., Jouyban, A., Khoubnasabjafari, M., *Journal of Chemical and Engineering Data*, 59, 2337-2348, 2014.
280. Solubility of sodium acetate in ternary mixtures of methanol, 1-propanol, acetonitrile and water at 298.2 K, Soleymani, J., Kenndler, E., Acree Jr., W.E., Jouyban, A., *Journal of Chemical and Engineering Data*, 59, 2670-2676, 2014.
281. Discrimination of saffron based on thin-layer chromatography and image analysis, Djozan, Dj., Karimian, G., Jouyban, A., Iranmanesh, F., Gorbanpour, H., Alizadeh-Nabil, A.A., *Journal of Planar Chromatography*, 27, 274-280, 2014.
282. Biological sample preparation: attempts on productivity increasing in bioanalysis, Soltani, S., Jouyban, A., *Bioanalysis*, 6, 1691-1710, 2014.
283. Solubility prediction of paracetamol in N-methyl-2-pyrrolidone + ethanol + water mixtures at 25 °C, Ahmadi, F., Sadrjavadi, K., Mohammadi, G., Separham, A., Barzegar-Jalali, M., Khoubnasabjafari, M., Jouyban, A., *Journal of Applied Solution Chemistry and Modeling*, 3, 164-168, 2014.
284. A simple stability indicating capillary zone electrophoresis method for the analysis of octreotide acetate, Tamizi, E., Jouyban, A., *Chromatographia*, 77, 1347-1357, 2014.
285. Solubility of lamotrigine in propylene glycol + ethanol and their ternary aqueous mixtures, Ghaderi, F., Barzegar-Jalali, M., Jouyban, A., *Latin American Journal of Pharmacy*, 33, 1392-1396, 2014.
286. Solubility of atenolol, amiodarone HCl and lamotrigine in polyethylene glycol 200 + water mixtures in the presence of β -cyclodextrin, Jouyban, A., Sajed-Amin, S., Panahi-Azar, V., *Journal of Drug Delivery Science and Technology*, 24, 543-547, 2014.
287. Preferential solvation of methocarbamol in aqueous binary cosolvent mixtures at 298.15 K, Jiménez, D.M., Cárdenas, Z.J., Delgado, D.T., Martínez, F., Jouyban, A., *Physics and Chemistry of Liquids*, 52, 726-737, 2014.
288. Determination of diltiazem in the presence of timolol in human serum samples using nanoFe₃O₄@GO

- modified glassy carbon electrode*, Hasanzadeh, M., Pournaghi-Azar, M.H., Shadjou, N., Jouyban, A., *RSC Advances* 4, 51734-51744, 2014.
289. *Solubility and solution thermodynamics of meloxicam in 1,4-dioxane + water mixtures*, Jiménez, D.M., Cárdenas, Z.J., Delgado, D.R., Jouyban, A., Martínez, F., *Industrial Engineering and Chemical Research*, 53, 16550-16558, 2014.
290. *Solubility of tris(hydroxymethyl)aminomethane in water + 1-propanol mixtures at various temperatures*, Jouyban-Gharamaleki, V., Jouyban-Gharamaleki, K., Soleymani, J., Acree Jr., W.E., Jouyban, A. *Journal of Chemical and Engineering Data*, 59, 3723-3727, 2014.
291. *Mesoporous (organo) silica decorated with magnetic nanoparticles as a reusable nanoadsorbent for arsenic removal from water samples*, Hasanzadeh, M., Farajbakhsh, F., Shadjou, N., , Jouyban, A., *Environmental Technology*, 36, 36-40, 2014.
292. *Solubilization of clonazepam, diazepam and lamotrigine using ethanol and sodium dodecyl sulfate*, Jouyban, A., Panahi-Azar, V., Fakhree, M.A.A., Ahmadian, S., *Journal of Solution Chemistry*, 43, 1997-2009, 2014.
293. *Evaluation of solubility and dissolution profile of itraconazole after cogrinding with various hydrophilic carriers*. Hamishekar, H., Emami, s., Lamei, B., Valizadeh, H., Jouyban, A., *Journal of Drug Delivery Science and Technology*, 24, 653-658, 2014.
294. *Solubility of tris(hydroxymethyl)aminomethane in methanol + 1-propanol mixtures at various temperatures*, Jouyban-Gharamaleki, V., Jouyban-Gharamaleki, K., Soleymani, J., Kenndler, E., Acree Jr., W.E., Jouyban, A. *Journal of Chemical and Engineering Data*, 59, 4227-4230, 2014.
295. *Quantitative structure activity relationship and docking studies of imidazole based derivatives as P-glycoprotein inhibitors*, Ghandadi, M., Shayanfar, A., Hamzeh-Mivehroud, M., Jouyban, A., *Medicinal Chemistry Research*, 23, 4700-4712, 2014.
296. *Electrodeposition of taurine on a gold electrode for electrooxidation of malondialdehyde in human serum and exhaled breath condensate*, Hasanzadeh, M., Zamani-Kalajahi, M., Shadjou, N., Khoubnasabjafari, M., Ansarin, K., Jouyban-Gharamaleki, V., Jouyban, A. *Surface Engineering*, 31, 194-201, 2015.
297. *Prediction of deferiprone solubility in some non-aqueous binary solvent mixtures at various temperatures*, Abbasi, M., Vaez-Gharamaleki, Fazeli-Bakhtiyari, R., Martinez, F., Jouyban, A., *Journal of Molecular Liquids*, 203, 16-19, 2015 (Mar).
298. *Detection limit enhancement of antiarrhythmic drugs in human plasma using capillary electrophoresis*

- with dispersive liquid–liquid microextraction and field-amplified sample stacking method, Fazeli-Bakhtiyari, R., Sorouraddin, M.H., Farajzadeh, M.A. Jouyban, A., *Bioanalysis* 7, 21-37, 2015.
299. *Herbs and hazards: Risk of aristolochic acid nephropathy in Iran*, Ardalan, M.R., Khodaie, L., Nasri, H., Jouyban, A., *Iranian Journal of Kidney Disease*, 9, 14-17, 2015.
300. *An automated system for determination of drug solubility based on laser monitoring technique*, Jouyban-Gharamaleki, V., Jouyban-Gharamaleki, K., Shayanfar, A., Khoubnasabjafari, M., Jouyban, A., *Journal of Laboratory Automation*, 20, 3-9, 2015.
301. *The effects of binary solvent composition and solute's concentration on the adsorption of lamotrigine on activated charcoal*, Keramatnia, Shayanfar, A., Jouyban, A., *Latin American Journal of Pharmacy*, 34, 206-209, 2014 (Jan).
302. *Solubility and preferential solvation of sulfadiazine, sulfamerazine and sulfamethazine in propylene glycol + water mixtures at 298.15 K*, Muñoz, M.M., Delgado, D.R., Peña, M.A., Jouyban, A., Martínez, F., *Journal of Molecular Liquids*, 204, 132-136, 2015 (Apr).
303. *Dispersive liquid-liquid microextraction method as an efficient microextraction technique for bioanalysis; Application in extraction and preconcentration of antiarrhythmic drugs in human plasma followed by high performance liquid chromatography-ultraviolet detection*, Jouyban, A., Sorouraddin, M.H., Farajzadeh, M.A., Fazeli-Bakhtiyari, R., *Talanta*, 134, 681-689, 2015 (Mar.).
304. *Surface tension in human pathophysiology and its application as a medical diagnostic tool*, Fathi-Azarbayjani, A., Jouyban, A., *Bioimpact* 5, 29-44, 2015.
305. *The potential of capillary electrophoresis techniques for quality control of biopharmaceuticals – A review*, Tamizi, E., Jouyban, A., *Electrophoresis* 36, 831-858, 2015 (Feb).
306. *Solubility of naproxen in 2-propanol + water mixtures at various temperatures*, Mohammadzade, M., Barzegar-Jalali, M., Jouyban, A., *Journal of Molecular Liquids* 206, 110-113, 2015.
307. *A dispersive liquid–liquid microextraction and chiral separation of carvedilol in human plasma using capillary electrophoresis*, Hamidi, S., Soltani, S., Jouyban, A., *Bioanalysis*, 7, 1107-1117, 2015.
308. *Extraction and analysis of methadone in exhaled breath condensate using a validated HPLC-UV method*, Khoubnasabjafari, M., Ansarin, K., Jouyban-Gharamaleki, V., Panahi-Azar, V., Shayanfar, A., Mohammadzadeh, L., Jouyban, A., *Journal of Pharmacy and Pharmaceutical Sciences*, 18, 207-219, 2015.
309. *Solubility of atenolol in ethanol + water mixtures at various temperatures*, Hamidi, S., Jouyban, A.,

- Journal of Serbian Chemical Society*, 80, 695-704, 2015.
310. Solubility of ketoconazole in ethanol + water mixtures at various temperatures, Hashemzadeh, N., Jouyban, A., *Chemical Engineering Communications*, 202, 1211-1215, 2015.
311. Solubility of tadalafil in some pharmaceutical solvent mixtures at 298.2 K, Farjami, A., Jouyban, A., *Chemical Engineering Communications*, 202, 1522-1527, 2015.
312. Herbal Diuretics in Medieval Persian and Arabic Medicine, *The Journal of Alternative and Complementary Medicine*, 21, 309-320, 2015.
313. Comments on "Use of Malondialdehyde as a Biomarker for Assessing Oxidative Stress in Different Disease Pathologies: A Review", Khoubnasabjafari, M., Ansarin, K., Jouyban, A., *Iranian Journal of Public Health*, 44, 714-715, 2015.
314. Viscosity, and Surface Tension of Glycerol + N-Methyl-2-Pyrrolidone Mixtures from 293 to 323 K at Atmospheric Pressure, Bandarkar, F., Khattab, I., Martinez, F., Khoubnasabjafari, M., Vahdati, S., Jouyban, A., *Physics and Chemistry of Liquids*, 53, 104-116, 2015.
315. Capillary electrophoresis with UV detection, on-line stacking and off-line dispersive liquid-liquid microextraction for determination of verapamil enantiomers in plasma, Hamidi, S., Jouyban, A., *Analytical Methods*, 7, 5820-5829, 2015.
316. Solubility of etoricoxib in aqueous solutions of 1,4-butanediol, 1,4-dioxane, N,N-dimethylacetamide, N,N-dimethylformamide, dimethylsulphoxide, and ethanol at 298.2 K, Rathi, P., Jouyban, A., Khoubnasabjafari, M., Kale, M., *Journal of Chemical & Engineering Data*, 60, 2128-2134, 2015.
317. Contribution of Tabriz academia in research activities, Khoubnasabjafari, M., Sadeghifar, E., Khalili, M., Ansarin, K., Rashidi, M.R., Jouyban, A., *Pharmaceutical Sciences* 21, 30-40, 2015.
318. Solubility and saturation apparent specific volume of some sodium sulfonamides in propylene glycol + water mixtures at 298.15 K, Muñoz, M.M., Rodríguez, C.J., Delgado, D.R., Peña, M.A., Jouyban, A., Martínez, F., *Journal of Molecular Liquids*, 211, 192-196, 2015.
319. Determination of mycophenolic acid in plasma samples using the terbium sensitized luminescence method, Shayanfar, A., Ghavimi, H., Zolali, E., Jouyban, A., *Journal of Applied Spectroscopy*, 82, 578-583, 2015.
320. Thermodynamic solubility profile of carbamazepine-cinnamic acid cocrystal at different pHs, Keramatnia, F., Shayanfar, A., Jouyban, A., *Journal of Pharmaceutical Sciences*, 104, 2559-2569, 2015.
321. Comments on "Solubility and thermodynamic behavior of vanillin in propane-1,2-diol + water cosolvent

- mixtures at different temperatures*”, Jouyban, A., Acree Jr., W.E., *Food Chemistry*, 192, 1049-1050, 2016.
322. *Lamotrigine Solubility in Some Nonaqueous Solvent Mixtures at 298.2 K*, Farjami, A., Jouyban, A., *Journal of Chemical & Engineering Data*, 60, 2490-2494, 2015.
323. *Solubility of tris(hydroxymethyl)aminomethane in water + methanol + 1-propanol mixtures at various temperatures*, Jouyban-Gharamaleki, V., Jouyban-Gharamaleki, K., Soleymani, J., Kenndler, E., Acree Jr., W.E., Jouyban, A. *Journal of Chemical and Engineering Data*, 60, 2515-2520, 2015.
324. *Reliability of malondialdehyde as a biomarker of oxidative stress in psychological disorders*, Khoubnasabjafari, M., Ansarin, K., Jouyban, A., *Bioimpacts*, 5, 123-127, 2015.
325. *The relationship between solubility and transdermal absorption of tadalafil*, Hamishekar, H., Khoshbakht, M., Jouyban, A., Ghanbarzadeh, S., *Advanced Pharmaceutical Bulletin*, 5, 411-417, 2015.
326. *Prediction of drug solubility data in polyethylene glycols + water mixtures at various temperatures*, Keramatnia, F., Shayanfar, A., Bozorgi, A.H., Mottaghi, M., Jouyban, A., *Latin American Journal of Pharmacy*, 34, 1614-1621, 2015.
327. *Prediction of analytes' electrophoretic mobility in mixed solvent buffers using Abraham solvation parameters*, Jouyban, A., Fazeli-Bakhtiyari, R., Shayanfar, A., Acree Jr., W. E., *Analytical Methods*, 7, 8123-8128, 2015.
328. *Comments concerning “Comparison of Airway and Systemic Malondialdehyde Levels for Assessment of Oxidative Stress in Cystic Fibrosis”*, Khoubnasabjafari, M., Ansarin, K., Jouyban, A., *Lung*, 193, 867-868, 2015.
329. *QSAR analysis of cyclooxygenase inhibitors selectivity index (COX1/COX2): Application of SVM-RBF and MLR methods*, Tatardar, S., Jouyban, A., Soltani, S., Zakariazadeh, M., *Pharmaceutical Sciences*, 21, 86-93, 2015.
330. *Determination of valproic acid in human plasma using dispersive liquid-liquid microextraction followed by gas chromatography-flame ionization detection*, Fazeli-Bakhtiyari, R., Panahi-Azar, V., Sorouraddin, M.H., Jouyban, A., *Iranian Journal of Basic Medical Sciences*, 18, 979-988, 2015.
331. *Further comments on “Solubility and thermodynamic behavior of vanillin in propane-1,2-diol + water cosolvent mixtures at different temperatures”*, Martinez, F., Jouyban, A., Acree Jr., W.E., *Food Chemistry*, 196, 757-759, 2016.
332. *Solubility of naproxen in polyethylene glycol 200 + water mixtures at various temperatures*, Panahi-

- Azar, V., Soltanpour, Sh., Martinez, F., Jouyban, A., *Iranian Journal of Pharmaceutical Research*, 14, 1041-1050, 2015.
333. *Forced Degradation Studies of Biopharmaceuticals: Selection of Stress Conditions*, Tamizi, E., Jouyban, A., *European Journal of Pharmaceutics and Biopharmaceutics*, 98, 26-46, 2016.
334. *A generally trained model to predict the solubility of drugs in ethanol-propylene glycol mixtures at various temperatures*, Jouyban, A., Khoubnasabjafari, M., Martinez, F., *Bulgarian Chemical Communication*, 47, 800-803, 2015.
335. *Are crystallinity parameters critical for drug solubility prediction?* Emami, S., Jouyban, A., Valizadeh, H., Shayanfar, A., *Journal of Solution Chemistry*, 44, 2297-2315, 2015.
336. *Solubility of sodium phenytoin in propylene glycol + water mixtures in the presence of β -cyclodextrin*, Mabhoot, A., Jouyban, A., *Pharmaceutical Sciences*, 21, 152-156, 2015.
337. *Critical review of malondialdehyde analysis in biological samples*, Khoubnasabjafari, M., Ansarin, K., Jouyban, A., *Current Pharmaceutical Analysis*, 12, 4-17, 2016.
338. *Comments concerning "Experimental determination and correlation of the solubility of 4-hydroxy-2,5-dimethyl-3(2H)-furan (DMHF) in binary (ethanol + water) solvent mixtures"* Jouyban, A., Acree Jr., W.E., *Journal of Molecular Liquids*, 213, 273-275, 2016.
339. *Vortex-assisted liquid-liquid extraction combined with field-amplified sample injection combined with sweeping micellar electrokinetic chromatography for improved determination of β -blocker drugs in human urine*, Jouyban, A., Sorouraddin, M.H., Farajzadeh, M.A., Somi, M.H., Fazeli-Bakhtiyari, R., *Talanta* 149, 298-306, 2016.
340. *Co-solubilization of lamotrigine by complexation and micellization in binary solvent mixtures*, Fathi Azarbayjani, A., Sajedi-Amin, S., Panahi-Azar, V., Asadpour-Zeynali, K., Jouyban, A., *Chemical Engineering Research and Design*, 105, 64-70, 2016.
341. *Comments on "Solubility and thermodynamic function of a new anticancer drug ibrutinib in 2-(2-ethoxyethoxy)ethanol + water mixtures at different temperatures"*, Martinez, F., Jouyban, A., Acree Jr., W.E., *Journal of Chemical Thermodynamics*, 95, 180-182, 2016.
342. *Measurement and correlation of deferiprone solubility: Investigation of solubility parameter and application of van't Hoff equation and Jouyban-Acree model*, Fathi-Azarbayjani, A., Abbasi, M., Vaez-Gharamaleki, J., Jouyban, A., *Journal of Molecular Liquids*, 215, 339-344, 2016.
343. *A capillary electrophoretic - mass spectrometric method for the assessment of octreotide stability under*

- stress conditions, Tamizi, E., Yang, Y., Jouyban, A., Kelso, G.F., Boysen, R.I., Hearn, M.T.W., *Journal of Chromatography A*, 1429, 354-363, 2016.
344. A new kinetic-mechanistic approach to elucidate electrooxidation of doxorubicin hydrochloride in unprocessed human fluids using magnetic graphene based nanocomposite modified glassy carbon electrode, Soleymani, J., Hasanzadeh, M., Shadjou, N., Khoubnasabjafari, M., Vaez-Gharamaleki, J., Yadollahi, M., Jouyban, A., *Materials Science and Engineering C* 61, 638-650, 2016.
345. Pre-concentration approaches combined with capillary electrophoresis in bioanalysis of chiral cardiovascular drugs. Hamidi, S., Jouyban, A., *Pharmaceutical Sciences*, 21, 229-243, 2015.
346. Spectroscopic analysis of bosentan in biological samples after a liquid-liquid microextraction, Sajedi-Amin, S., Assadpour-Zeynali, K., Panahi-Azar, V., Kebriaeezadeh, A., Khoubnasabjafari, M., Ansarin, K., Jouyban-Gharamaleki, V., Jouyban, A., *Bioimpacts* 5, 191-197, 2015.
347. Solution thermodynamics and preferential solvation of sulfamethazine in (methanol + water) mixtures, Delgado, D.R., Martínez, F., Peña, M.A., Jouyban, A., Acree Jr., W.E., *Journal of Chemical Thermodynamics*, 97, 264-276, 2016.
348. Further numerical analysis on the solubility of ibrutinib in ethanol + water mixtures at different temperatures, Martinez, F., Jouyban, A., Acree Jr., W.E. *Journal of Molecular Liquids*, 218, 35-38, 2016.
349. Silica based mesoporous organic-inorganic hybrid: A novel electroceramic material for electroanalytical determination of selected cardiovascular drugs in human serum, Hasanzadeh, M., Pournaghi-Azar, M.H., Shadjou, N., Jouyban, A., *Journal of Analytical Chemistry*, 71, 404-413, 2016.
350. Some numerical analyses on the solubility of vanillin in Carbitol® + water solvent mixtures, Martinez, F., Jouyban, A., Acree Jr., W.E., *Revista Colombiana de Química* 44, 34-39, 2015.
351. Solubility of Acetaminophen in Ethanol + Water + NaCl Mixtures at Various Temperatures, Azmi, R., Salamat-Ahangari, R., Soleymani, S., Jouyban, A., *Chemical Engineering Communications*, 203, 471-475, 2016.
352. Solubility of sodium phenytoin in ethanol + water mixtures at various temperatures, Mabhoot, A., Jouyban, A., *Chemical Engineering Communications*, 203, 1009-1012, 2016.
353. Calculation on solubility of N-ethylcarbazole in ethanol + petroleum ether mixtures at various temperatures, Jouyban, A., Acree Jr., W.E., *Korean Journal of Chemical Engineering*, 33, 1698-1705, 2016.
354. Development and validation of a spectrofluorimetric determination of calf thymus DNA using terbium-

- danofloxacin probe*, Soltani, N., Manzoori, J.L., Amjadi, M., Lotfipour, F., Jouyban, A., *Pharmaceutical Sciences*, 23, 2-8, 2016.
355. *Comments on "Solubility and solution thermodynamics of 2,3,4,5-tetrabromothiophene in (ethanol + trichloromethane) binary solvent mixtures"*, Jouyban, A., Martinez, F., Acree Jr., W.E., *Fluid Phase Equilibria*, 421, 88-92, 2016.
356. *Generally Trained Models to Predict Solubility of Drugs in Carbitol + Water Mixtures at Various Temperatures*, Khoubnasabjafari, M., Shayanfar, A., Martinez, F., Acree Jr., W. E., Jouyban, A., *Journal of Molecular Liquids*, 219, 435-438, 2016.
357. *Modeling, solubility, and thermodynamic aspects of sodium phenytoin in propylene glycol–water mixtures*, Fathi-Azarbayjani, A., Mabhoot, A., Martinez, F., Jouyban, A., *Journal of Molecular Liquids*, 219, 68-73, 2016.
358. *Further calculations on solubility of 3-amino-1-adamantanol in ethanol + water binary solvent mixtures at various temperatures*, Jouyban, A., Martinez, F., Acree Jr., W.E., *Journal of Molecular Liquids*, 219, 211-215, 2016.
359. *Determination of furosemide in urine by a dispersive liquid-liquid microextraction–spectrofluorimetric method*, Rezazadeh, A., Amjadi, M., Manzoori, J.L., Barzegar-Jalali, M., Jouyban, A., *Latin American Journal of Pharmacy*, 35, 905-911, 2016.
360. *Interaction of some cardiovascular drugs with bovine serum albumin at physiological conditions using glassy carbon electrode: A new approach*, Afsharan, H., Hasanzadeh, M., Shadjou, N., Jouyban, A., *Materials Science and Engineering C*, 65, 97-108, 2016.
361. *Solubility of naproxen in some aqueous mixtures of N-methyl-2-pyrrolidone at various temperatures*, Barzegar-Jalali, M., Mohammadzadeh, M., Martinez, F., Jouyban, A., *Journal of Molecular Liquids*, 220, 484-488, 2016.
362. *Graphene quantum dot as an electrically conductive material toward low potential detection: A new platform for interface science*, Hasanzadeh; M., Karimzadeh; A., Sadeghi; S., Mokhtarzadeh; A., Shadjou; N., Jouyban, A., *Journal of Materials Science: Materials in Electronics*, 27, 6488 – 6495, 2016.
363. *Solubility and preferential solvation of acetaminophen in methanol + water mixtures at 298.15 K*, Munoz, M.M., Jouyban, A., Martinez, F., *Physics and Chemistry of Liquids*, 54, 515-528, 2016.
364. *Preferential solvation of nifedipine in some aqueous co-solvent mixtures*, Jouyban, A., Martinez, F., *Physics and Chemistry of Liquids*, 54, 563-573, 2016.

365. *Solubility and apparent specific volume at saturation of some pharmaceutical salts in methanol + water mixtures at 298.15 K*, Muñoz, M.M., Peña, M. A., Jouyban, A., Martínez, F., Acree Jr., W. E., *Journal of Molecular Liquids*, 220, 842-847, 2016.
366. *Ketoconazole ionic liquids with citric and tartaric acid: Synthesis, characterization and solubility study*, Keramatnia, F., Jouyban, A., Valizadeh, H., Delazar, A., *Fluid Phase Equilibria*, 425, 108-113, 2016.
367. *Solubility, solution thermodynamics and preferential solvation of piroxicam in ethyl acetate + ethanol mixtures*, Cristancho, D.M., Jouyban, A., Martinez, F., *Journal of Molecular Liquids*, 221, 72-81, 2016.
368. *Solubility of trisodium citrate in water + methanol mixtures at various temperatures*, Soleymani, J., Jouyban-Gharamaleki, V., Jouyban-Gharamaleki, K., Acree Jr., W. E., Kenndler, E., Jouyban, A., *Journal of Molecular Liquids*, 221, 166-170, 2016.
369. *Sensing of doxorubicin hydrochloride using graphene quantum dot modified glassy carbon electrode*, Hasanzadeh, M., Hashemzadeh, N., Shadjou, N., Eivazi-Ziaei, J., Khoubnasabjafari, M., Jouyban, A., *Journal of Molecular Liquids*, 221, 354-357, 2016.
370. *Microextraction methods for preconcentration of aluminium in urine samples*, Farajbakhsh, F., Amjadi, M., Manzoori, J.L., Ardalan, M.R., Jouyban, A., *Pharmaceutical Sciences*, 22, 87-95, 2016.
371. *Graphene quantum dot modified glassy carbon electrode for the determination of doxorubicin hydrochloride in human plasma*, Hasanzadeh, M., Hashemzadeh, N., Shadjou, N., Eivazi-Ziaei, J., Khoubnasabjafari, M., Jouyban, A., *Journal of Pharmaceutical Analysis*, 6, 235-241, 2016.

Publications in Iranian Journals:

1. *Silicon isoesters of drugs*, Blourtchian, S.M., Jouyban-Gharamaleki, A. and Nokhodchi, A., *Daru and Darman*, 10, 36-41, 1993 (Persian).
2. *Solubility estimation of structurally related drugs in binary solvent mixtures*, Jouyban-Gharamaleki, A., Sabour, M., Chokhachizadeh-Moghaddam, M.H., Hanaee, J. and Barzegar-Jalali, M., *Daru (Journal of Tehran School of Pharmacy)*, 7, 1-5, 1999 (English).
3. *Calculation of solute solubility in binary solvents using modified Wilson model*, Jouyban-Gharamaleki, A., *Pharmaceutical Sciences (Journal of Tabriz School of Pharmacy)*, 3, 213-221, 1997 (Persian).
4. *Solubility prediction of structurally related drugs in water-cosolvent mixtures*, Jouyban-Gharamaleki, A., Hasan-Zadeh, D. and Barzegar-Jalali, M., *Pharmaceutical Sciences (Journal of Tabriz School of Pharmacy)*, 4, 20-28, 1997 (Persian).
5. *Nutritional status of zinc, copper, and plasma Zn/Cu ratio in coronary heart disease*, Mahboob, S.A., Arefhosseini, S.R., Noori, M., Ebrahimi-Mameghani, M., Jouyban, A., Mohtadinia, J., *Research Journal of Tabriz University of Medical Sciences*, 3, 7-16, 1999.
6. *Mathematical representation of electrophoretic mobility of propranolol in a binary solvent at various temperatures in capillary zone electrophoresis*, Jouyban, A. and Clark, B.J., *Tabriz Pharmaceutical Sciences*, 11-20, 2003.
7. *Modeling the capacity factor of analytes in MEKC*, Jouyban, A., Yeghanli, S., Khoubnasabjafari, M., *Iranian Journal of Pharmaceutical Sciences*, 1, 47-57, 2005.
8. *Retention of some anti-epileptic drugs in binary solvent mobile phases in RPLC*, Jouyban, A., Rashidi, M.R., Vaez-Gharamaleki, Z., Matin, A.A., Djozan, Dj., *Tabriz Pharmaceutical Sciences*, 31-38, spring 2005 .

Conference presentations (International):

1. *A novel empirical model for predicting the solubility of structurally related drugs in binary solvent mixtures*, Barzegar-Jalali, M. and Jouyban-Gharamaleki, A., *14th International Symposium on Medicinal Chemistry*, Maastricht, The Netherlands, September 1996.
2. *Predicting solubility in mixed solvents at various temperatures*, Jouyban-Gharamaleki, A. and Barzegar-Jalali, M., *AIMECS 97 (AFMC International Medicinal Chemistry Symposium)*, Seoul, S. Korea, July 1997.
3. *Nutritional status of zinc, copper and serum Zn/Cu ratio in coronary heart disease*, Mahboob, S., Arefhosseini, S.R., Noori, M., Ebrahimi Mameghani, M., Jouyban-Gharamaleki, A. , Mohtadinia, J., *16th International congress of nutrition*, Montreal, Canada, July 1997.
4. *The chameleonic effect and a new extension of Hildebrand solubility approach*, Jouyban-Gharamaleki, A., *First Italian-Swiss Meeting on Medicinal Chemistry*, Turin, Italy, September 1997.
5. *Multiple solubility maxima and a new extension of Hildebrand solubility approach*, Jouyban-Gharamaleki,

- A., Sabour, M. and Abbaspoor, J., *2nd World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology, Paris, France, May 1998.*
6. *Solubility of furosemide in water-cosolvent mixtures and various cosolvency models, Jouyban-Gharamaleki, A., Hanaee, J., Dastmalchi, S., Javanmard, A. and Barzegar-Jalali, M., 2nd World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology, Paris, France, May 1998.*
 7. *Separation of drugs by electrochromatography with a C₁₈ alumina packed capillary, Jouyban-Gharamaleki, A., Harrison, M.W., Myers, P. and Clark, B.J., 2nd International Meeting on Capillary Electrochromatography, York, England, August 1998.*
 8. *Prediction of electrophoretic mobility of amines in methanol-aqueous electrolyte systems, Clark, B.J., Jouyban, A., Batish, A. and Rumbelow, S.J., 24th International Symposium on High Performance Liquid Phase Separations and Related Techniques, Seattle, USA, June 2000.*
 9. *Prediction of paracetamol solubility using different cosolvency models in ternary solvent mixtures, Nokhodchi, A., Azarmir, O., Hassan-Zadeh, D., Ghafourian, T., Jalali, M.B. and Jouyban, A., 4th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology, Florence, Italy, April 2002.*
 10. *Mathematical representation of electrophoretic mobility of beta-blockers in ternary solvent buffers in capillary zone electrophoresis using a mixture response surface method, Jouyban, A., Grosse, S.C., Coleman, M.W., Chan, H.K., Clark, B.J. and Kenndler, E., 13th International Symposium on Capillary Electroseparation Techniques, Helsinki, Finland, September 2002.*
 11. *Mathematical representation of solute solubility in supercritical carbon dioxide with entrainer, Jouyban, A., 11th International Pharmaceutical Technology Symposium (IPTS 2002), Istanbul, Turkey, September 2002.*
 12. *Prediction of electrophoretic mobility in capillary electrophoresis using topological indices, Jouyban, A., Malaysian Pharmaceutical Conference, Malaysia, October 2003.*
 13. *Modelling the electrophoretic mobility in capillary electrophoresis using a linear solvation energy relationship, Jouyban, A. and Soltani, S., Qatar, December 2003.*
 14. *Correlation of retention factor of analytes in quaternary solvent mobile phases using Jouyban-Acree model, Jouyban, A., Hanaee, J., Rashidi, M.R., Esnaashari, S., Acree Jr., W.E., Malaysian Pharmaceutical Conference, Malaysia, November 2005.*
 15. *Terbium sensitized spectrofluorimetric determination of deferasirox in biological fluids and tablet formulations, Manzoori, J.L., Jouyban, A., Amjadi, M., Panahi Azar, V., Colloquium Spectroscopicum Internationale XXXVI, Hungary, August 2009.*

Conference presentations (National):

1. *Assessment of some intrauterine growth indices, Jouyban-Gharamaleki, A., Mahboob, S., Pourabdolahi, P. and Milani, S., 3rd Iranian Pharmaceutical Congress, Ahwaz, March 1991.*
2. *Serum copper, zinc and copper/zinc ratio in contraceptive users, Mahboob, S., Sohrabpouri, H. and Jouyban-Gharamaleki, A., 3rd Iranian Pharmaceutical Congress, Ahwaz, March 1991.*
3. *New formulation of nystatin oral drop, Tabatabaei, Sh., Jouyban-Gharamaleki, A. and Nokhodchi, A., 2nd Iranian Seminar of Industrial Pharmacy, Mashhad, September 1991.*

4. *Zinc, copper and pregnancy*, Jouyban-Gharamaleki, A. and Mahboob, S., 10th Iranian Congress of Physiology and Pharmacology, Ahwaz, December 1991.
5. *Medicinal organosilicon compounds*, Blourtchian, S.M. and Jouyban-Gharamaleki, A., 4th Iranian Pharmaceutical Congress, Tabriz, October 1992.
6. *Anthropometric measurements of new born infants in Tabriz, Oromieh and Zanjan*, Milani, S., Jouyban-Gharamaleki, A., Pourabdolahi, P. and Ghaemmaghami, J., 2nd Iranian Congress of Nutrition, Tabriz, November 1992.
7. *Comparison of accuracy and predictability of various cosolvency equations*, Jouyban-Gharamaleki, A. and Barzegar-Jalali, M., Fifth Iranian Conference of Pharmaceutical Sciences, Tehran, August 1997.
8. *Formulation and physicochemical stability of acetaminophen suspension*, Barzegar-Jalali, M., Jouyban-Gharamaleki, A., Hanaee, J., Kalantarian, S.M. and Ghamari-Khamneh, S., Fifth Iranian Conference of Pharmaceutical Sciences, Tehran, August 1997.
9. *Formulation and physicochemical stability of ranitidine syrup*, Barzegar-Jalali, M., Dastmalchi, S., Jouyban-Gharamaleki, A., Khosravi, A., Yousefi, K., Fifth Iranian Conference of Pharmaceutical Sciences, Tehran, August 1997.
10. *A novel application of the excess free energy model for solubility prediction of structurally related drugs in water-cosolvent mixtures*, Jouyban-Gharamaleki, A., Shirangi, M. and Barzegar-Jalali, M., Fifth Iranian Conference of Pharmaceutical Sciences, Tehran, August 1997.
11. *Formulation of acetaminophen oral solution and study on its stability*, Jouyban-Gharamaleki, A., Hanaee, J., Hajizadeh-Shahsavar, N., Azimipour-Alamdari and Barzegar-Jalali, M., Fifth Iranian Conference of Pharmaceutical Sciences, Tehran, August 1997.
12. *Mathematical representation of skin permeability of drugs from binary mixtures*, Jouyban-Gharamaleki, A., and Clark, B.J., 14th Iranian Congress of Physiology and Pharmacology, Tehran, May 1999.
13. *Optimization of solvent composition of the running buffer in capillary electrophoresis*, Jouyban, A., 8th Iranian Conference of Pharmaceutical Sciences, Shiraz, September 2002.
14. *A model to calculate dielectric constant of mixed solvents at different temperatures*, Jouyban, A., Soltanpour, Sh., 8th Iranian Conference of Pharmaceutical Sciences, Shiraz, September 2002.
15. *Modeling and prediction of anthracene solubility in mixed solvents by artificial neural networks (ANNs)*, Majidi, M.R., Asadpour-Zeynali, K. and Jouyban, A., 12th Iranian Seminar of Analytical Chemistry, Babolsar, January 2003.
16. *Modelling the retention of analytes in RP-HPLC with respect to solvent composition*, Jouyban, A., Matin, A., Soltani, S., Djozan, Dj., 13th Iranian Seminar of Analytical Chemistry, Mashhad, April 2004.
17. *Modelling acid dissociation constant of analytes in binary solvents at various temperatures*, Jouyban, A., Soltani, S., Matin, A.A., Acree Jr., W.E., 13th Iranian Seminar of Analytical Chemistry, Mashhad, April 2004.
18. *Modelling the retention behaviour of analytes in MEKC using chemical descriptors*, Jouyban, A., Yeghanli, S., Jabbaribar, F., 13th Iranian Seminar of Analytical Chemistry, Mashhad, April 2004.
19. *Modelling the Surface tension of mixed solvents at various temperatures*, Jouyban, A. Fathi Azarbayjani, A., Acree, W.E. Jr., 13th Iranian Seminar of Analytical Chemistry, Mashhad, April 2004.
20. *A Simple Spectrophotometric Method for Determination of Sodium Diclofenac in Pharmaceutical*

- Formulations, Matin, A.A., Farajzadeh, M.A., Esnaashari, S., Jouyban, A., 13th Iranian Seminar of Analytical Chemistry, Mashhad, April 2004.*
21. *Solubility prediction at various temperatures using a single determination, Hanaee, J., Jouyban, A., Dastmalchi, S., Mirzazadeh, A., Barzegar-Jalali, M., 9th Iranian Seminar of Pharmaceutical Sciences, Tabriz, August 2004.*
 22. *Modeling the density of binary solvents at various temperatures, Jouyban, A., Fathi-Azarbaijani, A., Soltani, S., Vaez, Z., Acree, W.E. Jr., 9th Iranian Seminar of Pharmaceutical Sciences, Tabriz, August 2004.*
 23. *Construction of a membrane sensor for selective determination of bisacodyl in pharmaceutical preparations, Jouyban, A., Maleki, R., Matin, A.A., 9th Iranian Seminar of Pharmaceutical Sciences, Tabriz, August 2004.*
 24. *Modeling the electrophoretic mobility of beta-blockers in ternary solvent buffers in capillary electrophoresis using artificial neural networks, Jouyban, A., Majidi, M.R., Asadpour-Zeynali, K., 9th Iranian Seminar of Pharmaceutical Sciences, Tabriz, August 2004.*
 25. *A generalized artificial neural network for solubility prediction of anthracene in binary solvents, Jouyban, A., Majidi, M.R., Asadpour-Zeynali, K., Jalilzadeh, H., 9th Iranian Seminar of Pharmaceutical Sciences, Tabriz, August 2004.*
 26. *Modeling the solute solubility in entrained supercritical fluids, Jouyban, A., Khoubnasabjafari, M., Chan, H.K., 9th Iranian Seminar of Pharmaceutical Sciences, Tabriz, August 2004.*
 27. *Modeling the viscosity of binary solvents at various temperatures, Jouyban, A., Fekari, Z., Matin, A.A., Vaez, Z., Acree W.E. Jr., 9th Iranian Seminar of Pharmaceutical Sciences, Tabriz, August 2004.*
 28. *A genetic algorithm based MLR model to represent the electrophoretic mobility in capillary electrophoresis using topological indices, Jouyban, A., Vaez-Gharamaleki, Z., Soltani, S., Dastmalchi, S., Adadpour-Zeynali, K., First Seminar of Medicinal & Natural Products Chemistry, Shiraz, May 2005.*
 29. *Modelling the Retention of Analytes in RPHPLC with Respect to Solvent Composition of the Mobile Phase Using Jouyban-Acree Model, Jouyban, A., Vaez-Gharamaleki, Z., Matin, A.A., Djozan, Dj., Acree Jr., W.E., First Seminar of Medicinal & Natural Products Chemistry, Shiraz, May 2005.*
 30. *Solubility prediction of solutes in non-aqueous binary solvents using a combination of Jouyban-Acree and Abraham models, Jouyban, A., Soltani, S., Acree Jr., W.E., 7th Iranian Biophysical Chemistry conference, Tabriz, July 2006.*
 31. *Prediction of pyrene solubility in non-aqueous solvent mixtures using Jouyban-Acree model, Jouyban, A., Tamizi, E., Acree Jr. W.E., 10th Iranian Pharmaceutical Sciences Conference, Tehran, August 2006.*
 32. *Prediction of acid dissociation constant values of drug like substances in water using QSPR relations, Soltani S, Jouyban A, 10th Iranian Pharmaceutical Sciences Conference, Tehran, August 2006.*
 33. *Prediction of solubility of drugs in supercritical carbon dioxide using ANN method, Jouyban A, Soltani S, Asadpour-Zeynali K., 10th Iranian Pharmaceutical Sciences Conference, Tehran, August 2006.*
 34. *In silico determination of drug's toxicity in rat, Jouyban A, Eghbal M.A., Separham A, 10th Iranian Pharmaceutical Sciences Conference, Tehran, August 2006.*
 35. *Solubility estimation of drugs in water-dioxane mixtures using Jouyban-Acree model, Hamzeh-Mivehroud M, Jouyban A, 10th Iranian Pharmaceutical Sciences Conference, Tehran, August 2006.*
 36. *Therapeutic drug monitoring of carbamazepine in saliva using micellar electrokinetic chromatography,*

- Jabbaribar F, Mortazavi A R, Jouyban A, 10th Iranian Pharmaceutical Sciences Conference, Tehran, August 2006.*
37. *Modeling vasorelaxant effects of drugs/drug candidates using computational methods, Ghasemi-Arjestan R, Babaei H, Soltani S, Soltanpour S, Jouyban A, 10th Iranian Pharmaceutical Sciences Conference, Tehran, August 2006.*
 38. *Prediction of anthracene solubility in ternary solvent mixtures using ANN, Jalilzadeh H, Jouyban A, Soltani S, Asadpour-Zeynali K, 10th Iranian Pharmaceutical Sciences Conference, Tehran, August 2006.*
 39. *Solubility prediction of salicylic acid in water-dioxane mixture, Jouyban A, Hamzeh-Mivehroud M and Nora Y. K. Chew, 15th Iranian Society Analytical Chemistry Congress, Shiraz, Feb-Mar, 2007.*
 40. *Predicting the Mobility of Amino Acids in Capillary Zone Electrophoresis, Jouyban A., Reijenga J., Soltani S., Asadpour-Zeynali K., 15th Iranian Society Analytical Chemistry Congress, Shiraz, February, 2007.*
 41. *Determination of phenytoin and its major metabolite in human serum by micellar electrokinetic chromatography, Jabbaribar, F., Mortazavi, A., Jouyban, A., 11th Iranian Pharmaceutical sciences Conference, Kerman, August 2008.*
 42. *Solubilization of phenobarbital and lamotrigine using N-methyl pyrrolidone, Shayanfar, A., Jouyban, A., 11th Iranian Pharmaceutical sciences Conference, Kerman, August 2008.*
 43. *Application of terbium (III) sensitized luminescence for determination of dopamine in biological samples, Karamy, N., Shaghaghi, M., Manzoori, J., Jouyban, A., 11th Iranian Pharmaceutical sciences Conference, Kerman, August 2008.*
 44. *Modelling the simultaneous effects of mobile phase composition and temperature on the capacity factor of analytes in HPLC using the Jouyban-Acree model, Soltanpour, S., Acree Jr., W.E., Jouyban, A., 11th Iranian Pharmaceutical sciences Conference, Kerman, August 2008.*
 45. *Solvomics: An Online Solubility Prediction Software, Fakhreem M.A.A., Jouyban, A., 11th Iranian Pharmaceutical sciences Conference, Kerman, August 2008.*
 46. *Prediction of drug solubility in water-cosolvent mixtures by a combination of the Jouyban-Acree model and Catalan parameters, Fakhree, M.A.A., Acree Jr., W.E., Jouyban, A., 11th Iranian Pharmaceutical sciences Conference, Kerman, August 2008.*
 47. *Determination of the changes in the trace elements status in biological fluids of the cardiovascular patients who use several cardiovascular drugs, Soltanpour, S., Jouyban, A., 11th Iranian Pharmaceutical sciences Conference, Kerman, August 2008.*
 48. *Herbamex: A simple guide to Iranian herbal medicines, Fakhree, M.A.A., Nazemiyeh, H., Jouyban, A., 11th Iranian Pharmaceutical sciences Conference, Kerman, August 2008.*
 49. *A quantitative structure-toxicity relationship for the acute toxicity of drugs, Fakhree, M.A.A., Separham, A., Eghbal, M.A., Jafari, B., Saei, A.A., Jouyban, A., 11th Iranian Pharmaceutical sciences Conference, Kerman, August 2008.*
 50. *Memantine is a safe drug in patients under carbamazepine treatment, Karami, A.R., Jouyban, A., Samini, M., 11th Iranian Pharmaceutical sciences Conference, Kerman, August 2008*
 51. *Prediction of diffusion coefficients in binary liquid systems, Jouyban A., Soltani S., Mohammadzadeh, M., Tatardar, S., Acree Jr., W.E., 16th Iranian Seminar of Analytical Chemistry, Hamadan, July, 2009.*

52. *Terbium sensitized method for determination of defrasirox (DFX) in biological fluids*, Panahi, V., Manzoori, J.L., Tamizi, E., Vaez-Gharamaleki, J., Jouyban, A., 16th Iranian Seminar of Analytical Chemistry, Hamadan, July, 2009.
53. *A simple and accurate model to predict peptide mobility in capillary electrophoresis*, Jouyban, A., Arami, Z., Zoghi, E., Soltani, S., 16th Iranian Seminar of Analytical Chemistry, Hamadan, July, 2009.
54. *Modeling the retention behaviour of analytes in RP-HPLC with mixed solvent mobile phases using a combination of Jouyban-Acree and Abraham models*, Jouyban, A., Soltani, S., Chabra, A., Bagherzadeh, Z., Acree Jr., W.E., 16th Iranian Seminar of Analytical Chemistry, Hamadan, July, 2009.
55. *Prediction of electrophoretic mobility of analytes in capillary electrophoresis using molecular connectivity indices*, Soltani, S., Jouyban, A., Tatardar, S., Mohammadzadeh, R., Dastmalchi, S., 16th Iranian Seminar of Analytical Chemistry, Hamadan, July, 2009.
56. *New QSPR model for aqueous solubility prediction of drugs*, Shayanfar, A., Jouyban, A., 2nd Iranian Biennial Seminar of Chemometrics, Urmia, October 2009.
57. *QSAR analysis of COX-2 inhibitors: Comparison of feature selection methods*, Abolhasani, H., Soltani, S., Jouyban, A., 2nd Iranian Biennial Seminar of Chemometrics, Urmia, October 2009.
58. *Excess molar refraction (E) is critical parameter for solubility prediction of drugs and chemical compounds*, Shayanfar A., Fakhree M.A.A., Tamizi E., Panahi-Azar V., Jouyban A., 12th Iranian Pharmaceutical Sciences Congress, Zanjan, 2010.
59. *Modeling Blood Brain Barrier permeation*, Shayanfar A., Soltani S., Jouyban A., 12th Iranian Pharmaceutical Sciences Congress, Zanjan, 2010.
60. *Solubility of drugs in binary and ternary solvent mixtures using Hansen solubility parameters*, Shayanfar A., Jouyban A., 12th Iranian Pharmaceutical Sciences Congress, Zanjan, 2010.
61. *The effects of pH on the solubility of acetaminophen in PEGs+ water mixtures*, Shayanfar A., Jouyban A., 12th Iranian Pharmaceutical Sciences Congress, Zanjan, 2010.
62. *Modeling of retention behavior of analytes RP-HPLC with mixed mobile phases using a combination of Jouyban-Acree and Abraham parameters*, Soltani S., Baghernezhad Z., Chabra A., Shayanfar A., Acree Jr. W., Jouyban A., 12th Iranian Pharmaceutical Sciences Congress, Zanjan, 2010.
63. *Catalan Solvent Scales as Valuable Resource for QSPR and QSAR*, Fakhree M.A.A., Shayanfar A., Ghafouriyan T., Jouyban A., 12th Iranian Pharmaceutical Sciences Congress, Zanjan, 2010.
64. *Solvomix 2: Software for in-silico Solubility Prediction in Solvent Mixtures*, Fakhree M.A.A., Jouyban A., 12th Iranian Pharmaceutical Sciences Congress, Zanjan, 2010.
65. *Enhancing Aqueous Solubility of Phenothiazine by Using Cosolvents*, Fakhree M.A.A., Ahmadian S., Jouyban A., 12th Iranian Pharmaceutical Sciences Congress, Zanjan, 2010.

66. *DIPS: Drug Interactions Presenter Software*, Ahmadian S., Fakhree M.A.A., Najafi M., Jouyban A., 12th Iranian Pharmaceutical Sciences Congress, Zanjan, 2010.
67. *Modelling the Viscosity of Liquid Mixtures at Different Temperatures*, Maljaei S.H., Fakhree M.A.A., Soltanpour S., Jouyban A., 12th Iranian Pharmaceutical Sciences Congress, Zanjan, 2010.
68. *QSAR study of vasorelaxant activity of naphthylamide derivatives*, Rafie F., Jafari B., Soltani S., Jouyban A., 12th Iranian Pharmaceutical Sciences Congress, Zanjan, 2010.
69. *Determination of deferiprone in biologic samples and tablet samples using Terbium-sensitized luminescence*, Manzoori J., Jouyban A., Amjadi M., Soleymani J., Tamizi E., 12th Iranian Pharmaceutical Sciences Congress, Zanjan, 2010.
70. *Development and validation of a RPLC-UV method for simultaneous quantification of some cardiovascular in human plasma*, Soltani S., Jouyban A., 12th Iranian Pharmaceutical Sciences Congress, Zanjan, 2010.
71. *Prediction of dielectric constants of binary solvents at various temperatures*, Soltanpour S., Jouyban A., 12th Iranian Pharmaceutical Sciences Congress, Zanjan, 2010.
72. *Prediction of the retention data of phenobarbital in HPLC*, Soltanpour S., Jouyban A., 12th Iranian Pharmaceutical Sciences Congress, Zanjan, 2010.
73. *QSAR modeling of ATI (angiotensin II) receptor antagonists using a Solvation parameter approach*, Zoghi E., Soltani S., Soleymani J., Jouyban A., 12th Iranian Pharmaceutical Sciences Congress, Zanjan, 2010.
74. *Solubility of acetaminophen and ibuprofen in polyethylene glycol 600, N-methyl pyrrolidone and water mixtures*, Soltanpour S., Jouyban A., 12th Iranian Pharmaceutical Sciences Congress, Zanjan, 2010.
75. *Terbium sensitized fluorescence method for the spectrofluorimetric determination of buparvaquone in biological fluids, and pharmaceutical*, Manzoori J., Jouyban A., Amjadi M., Panahi-Azar V., Tamizi E., 12th Iranian Pharmaceutical Sciences Congress, Zanjan, 2010.
76. *Quantitative Structure- Vasorelaxant Activity Relationship of Benzopyran Derivatives Using Multivariate Linear Regression*, Jaffari B., Soltani S., Zoghi E., Arami Z., Jouyban A., 12th Iranian Pharmaceutical Sciences Congress, Zanjan, 2010.
77. *Simultaneous determination of triamterene and hydrochlorothiazide in triamterene-H tablet by net analyte signal standard addition method*, Tamizi E., Shayanfar A., Asadpour-Zeynali K., Jouyban A., 3rd Iranian Biennial Seminar of Chemometrics, Tabriz, 2011.

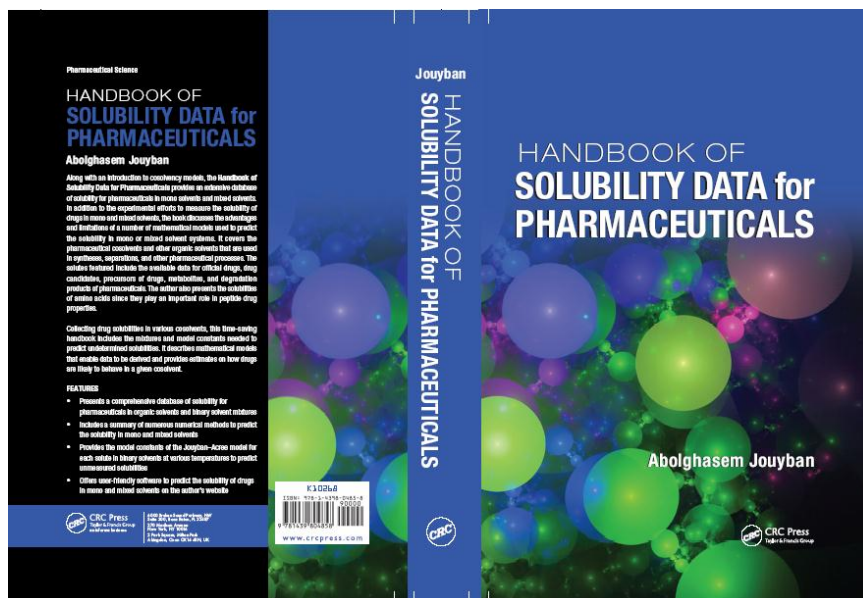
78. *Prediction of the optimized solvent composition for altering solubility of drugs in dioxin + water mixtures*, Ramezaani A.M., Shayanfar A., Manzoori J.L., Jouyban A., *3rd Iranian Biennial Seminar of Chemometrics, Tabriz, 2011.*
79. *Thermodynamic study of solubility of amlodipine besylate in ethanol + water*, Sardari F., Sotoudeh-Gharahbagh R., Jouyban A., *3rd Iranian Biennial Seminar of Chemometrics, Tabriz, 2011.*
80. *Thermodynamic studies of Amiodarone HCl in ethanol + water mixtures at different temperatures*, Hajieghray Sh., Zarghami R., Jouyban A., *3rd Iranian Biennial Seminar of Chemometrics, Tabriz, 2011.*
81. *Solubility of carvedilol in methanol, ethanol, 2-propanol, acetonitrile and ethyl acetate: Experimental measurement and thermodynamic modeling*, Fazeli Bakhtiyari R., Sorouraddin M.H., Soltani S., Jouyban A., *3rd Iranian Biennial Seminar of Chemometrics, Tabriz, 2011.*
82. *Modeling the solubility of drugs in propylene glycol + water in the presence of beta-cyclodextrin*, Soltani N., Shayanfar A., Manzoori Lashkar J., Jouyban A., *3rd Iranian Biennial Seminar of Chemometrics, Tabriz, 2011.*
83. *Modelling the viscosity of ternary liquid mixtures at various temperatures using Jouyban-Acree model and Abraham solvation parameters*, Vahdati S., Khoubnasabjafari M., Jouyban A., *3rd Iranian Biennial Seminar of Chemometrics, Tabriz, 2011.*
84. *Coamorphous drug system to improve physicochemical properties of atorvastatin calcium*, Shayanfar, A., Jouyban, A., Hamishehkar, H., *13th Iranian Pharmaceutical Sciences Congress, Isfahan, Iran, September 2012.*
85. *Solubility of naproxen in polyethylene glycol 200 and water mixtures at various temperatures*, Panahi-Azar, V., Jouyban, A., *13th Iranian Pharmaceutical Sciences Congress, Isfahan, Iran, September 2012.*
86. *Prediction protein binding of drugs using Abraham ionic parameters*, Vahdati, S., Shayanfar, A., Jouyban, A., *13th Iranian Pharmaceutical Sciences Congress, Isfahan, Iran, September 2012.*
87. *Quantitative structure activity relationship and docking studies on imidazole derivatives as P-glycoprotein inhibitors*, Ghandadi, M., Shayanfar, A., Hamzeh-Mivehroud, M., Jouyban, A., *13th Iranian Pharmaceutical Sciences Congress, Isfahan, Iran, September 2012.*
88. *Solubility of atenolol in ethanol + water mixtures at different temperatures*, Hamidi, S., Shayanfar, A., Jouyban, A., *13th Iranian Pharmaceutical Sciences Congress, Isfahan, Iran, September 2012.*

89. *Solubility of atorvastatin calcium in water-ethanol mixture: Solution-mediated phase transformation*, Mahmoodzadeh, E., Vahdati, S., Hashemzadeh, N., Jouyban, A., 13th Iranian Pharmaceutical Sciences Congress, Isfahan, Iran, September 2012.
90. *Solubilization of tadalafil using different cosolvents*, Farjami, A., Jouyban, A., Shayanfar A., 13th Iranian Pharmaceutical Sciences Congress, Isfahan, Iran, September 2012.
91. *Thermodynamic studies of ketoconazol solubility in water + ethanol mixtures at different temperatures*, Hashemzadeh, N., Vahdati, S., Mahmoodzadeh, E., Jouyban, A., 13th Iranian Pharmaceutical Sciences Congress, Isfahan, Iran, September 2012.
92. *Mathematical representation of the stability of ibuprofen in binary and ternary solvent mixtures of PEG 200, ethanol and water at various temperatures*, Soltanpour, S., Jouyban, A., 13th Iranian Pharmaceutical Sciences Congress, Isfahan, Iran, September 2012.
93. *A simple and rapid capillary zone electrophoresis method for determination of heparin in pharmaceutical products*, Tamizi, E., Jouyban, A., 13th Iranian Pharmaceutical Sciences Congress, Isfahan, Iran, September 2012.
94. *Determination of furosemide in plasma samples by a dispersive liquid-liquid microextraction (DLLME) - spectrofluorimetric method*, Rezazadeh, A., Amjadi, M., Manzoori lashkar, J., Jouyban A., 13th Iranian Pharmaceutical Sciences Congress, Isfahan, Iran, September 2012.
95. *Development of a dispersive liquid-liquid micro-extraction (DLLME) method for preconcentration and determination of Al in biological fluids*, Farajbakhsh mamaqani, F., Amjadi, M., Manzoori lashkar, J., Jouyban, A., 13th Iranian Pharmaceutical Sciences Congress, Isfahan, Iran, September 2012.
96. *Dispersive liquid- liquid microextraction based on solidification of floating organic droplet followed by spectrofluorimetry for determination of carvedilol in human plasma*, Zamani, M., Amiri, M., Fazeli-Bakhtiyari, R., Jouyban, A., 13th Iranian Pharmaceutical Sciences Congress, Isfahan, Iran, September 2012.
97. *Solubility of ranitidine in binary and ternary mixtures of PEGs 200 and 400, ethanol and propylene glycol at 25 °C*, Soleymani, J., Jouyban, A., 13th Iranian Pharmaceutical Sciences Congress, Isfahan, Iran, September 2012.
98. *Prediction of surface tension of solvent mixtures at various temperatures*, Khoubnasabjafari, M., Fathi-Azarbayjani, A., Jouyban, A., 13th Iranian Pharmaceutical Sciences Congress, Isfahan, Iran, September 2012.

99. *Effect of pioglitazone on plasma concentration of phenytoin on subchronic concurrent use, Zolali, E., Ghavimi, H., Shayanfar, A., Samini, M., Jouyban, A., 13th Iranian Pharmaceutical Sciences Congress, Isfahan, Iran, September 2012.*

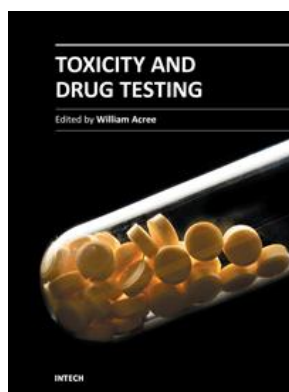
Book (in English language):

Handbook of Solubility Data for Pharmaceuticals, CRC Press, Boca Raton, USA, 2010.



Book chapters (in English language):

1. *Experimental and computational methods pertaining to drug solubility*, Jouyban, A., Fakhree, M.A.A., in: "Toxicity and Drug Testing", Acree Jr., W.E. (Ed.), InTech, ISBN 978-953-51-0004-1, 2012.
2. *Blood Brain Barrier Permeation*, Jouyban, A., Soltani, S., in: "Toxicity and Drug Testing", Acree Jr., W.E. (Ed.), InTech, ISBN 978-953-51-0004-1, 2012.
3. *Experimental and Computational Methods Pertaining to Surface Tension of Pharmaceuticals*, Jouyban, A., Fathi-Azarbayjani, A., in: "Toxicity and Drug Testing", Acree Jr., W.E. (Ed.), InTech, ISBN 978-953-51-0004-1, 2012.
4. *Genotoxic Impurities in Pharmaceuticals*, Jouyban, A., Parsa, H., in: "Toxicity and Drug Testing", Acree Jr., W.E. (Ed.), InTech, ISBN 978-953-51-0004-1, 2012.

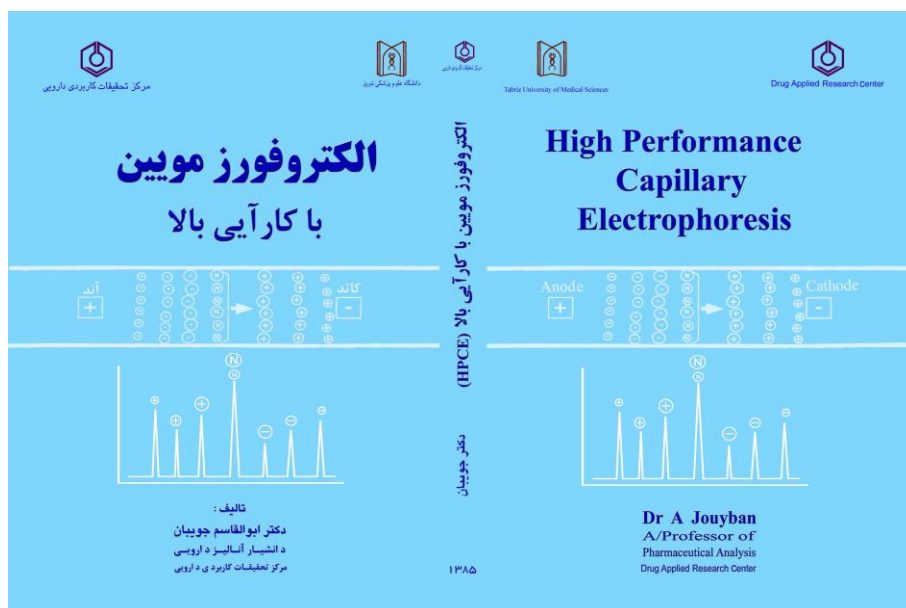


Fulltext available online (free) at:

<http://www.intechopen.com/books/toxicity-and-drug-testing>

Book (in Persian language):

High Performance Capillary Electrophoresis, Tabriz, Iran, 2007.



Translated books from English language to Persian:

1. *Pharmacology (Woodbury and Stick)*, Jouyban-Gharamaleki, A. and Samini, M., Tabriz, Iran, 1990.

2. *High performance liquid chromatography (Lindsay, S.), Djozan, Dj., Hanaee, J., Jouyban-Gharamaleki, A. and Dastmalchi, S., Tabriz, Iran, 1996.*

Teaching activities:

1. *General Chemistry*
2. *Analytical Chemistry*
3. *Pharmaceutical Analysis*
4. *Medicinal Chemistry*

Research activities:

1. *Extension of the computational methods to predict physico-chemical properties (including solubility) of drug/drug like molecules*
2. *Preparation of a computer software to predict solubility of drugs in mixed solvent systems*
3. *Investigations on the quantitative structure property relationships (QSPRs) of drug candidates*
4. *Development of analytical methods using HPLC and HPCE for pharmaceutical/biomedical analyses of drug candidates.*

Cited articles in the books:

No.	Authors of the cited article	Cited article	Page citing the article	Editor or author of the book	Date of publication of the book	Publisher of the book	Book citing the article
1	Jouyban-Gharamaleki, A., Valaee, L., Barzegar-Jalali, M., Clark, B.J. and Acree, W.E. Jr.	<i>International Journal of Pharmaceutics</i> , 177, 93-101, 1999.	212, 430	Ruckenstein, E., Shulgin, L.	2009	Springer	<i>Thermodynamics of solutions. From gases to pharmaceuticals to proteins</i>
2	Jouyban-Gharamaleki, A. and Barzegar-Jalali, M.,	<i>International Journal of Pharmaceutics</i> , 140, 237-246, 1997.	430	Ruckenstein, E., Shulgin, L.	2009	Springer	<i>Thermodynamics of solutions. From gases to pharmaceuticals to proteins</i>
3	Jouyban, A., Romero, S., Chan, H.K., Clark, B.J. and Bustamante, P.	<i>Chemical and Pharmaceutical Bulletin</i> , 50, 594-599, 2002	430	Ruckenstein, E., Shulgin, L.	2009	Springer	<i>Thermodynamics of solutions. From gases to pharmaceuticals to proteins</i>
4	Shaghghi, M., Manzoori, J.L., Jouyban, A.	<i>Food Chemistry</i> , 108, 695-701, 2008.	1708	Li, D., Zhao, C.	2009	Springer	<i>Computers and computer technology in agriculture II, vol. 3</i>
5	Majidi, M.R., Jouyban, A. Asadpour-Zeynali, K.	<i>Electrochimica Acta</i> , 52, 6248-6253, 2007	566	Zhang, J. Liu, H.	2009	Wiley-VCH	<i>Electroanalysis of direct methanol fuel cells</i>
6	Jouyban-Gharamaleki, A	<i>Chemical & Pharmaceutical Bulletin</i> , 46, 1058-1061, 1998.	1014	Wypych, G	2000	ChemTech publishing	Handbook of Solvents
7	Jouyban, A., Rehman, M., Shekunov, B.Y., Chan, H.K., Clark, B.J. and York, P.	<i>Journal of Pharmaceutical Sciences</i> , 91, 1287-1295, 2002.	266	Brunner, G.	2004	Elsevier	Supercritical Fluids as Solvents and Reaction Media
8	Jouyban, A., Chan, H.K. and Foster, N.R.	<i>Journal of Supercritical Fluids</i> , 24, 19-35, 2002	52	Peter York, Uday B. Kompella, Boris Shekunov	2004	Dekker	Supercritical Fluid Technology for Drug Product Development (Drugs and the Pharmaceutical Sciences: a Series of Textbooks and Monographs)

9	Jouyban-Gharamaleki, A., Valaee, L., Barzegar-Jalali, M., Clark, B.J. and Acree, W.E. Jr.	<i>International Journal of Pharmaceutics</i> , 177, 93-101, 1999.	19	Chi-Jen Lee, Lucia H Lee, Christopher L Wu, Benjamin R Lee, Mei-Ling Chen	2006	CRC Press	<i>Clinical Trials of Drugs and Biopharmaceuticals</i>
10	Jouyban-Gh., A., Acree, W.E. Jr.	<i>International Journal of Pharmaceutics</i> , 167, 177-182, 1998.	44	Carstensen, J.	2001	Marcel Dekker	<i>Advanced Pharmaceutical Solids</i>
11	Barzegar-Jalali, M., Jouyban-Gh., A.	<i>International Journal of Pharmaceutics</i> , 140, 237-246, 1996	44	Carstensen, J.	2001	Marcel Dekker	<i>Advanced Pharmaceutical Solids</i>
12	Jouyban-Gh., A., Hanaee, J	<i>International Journal of Pharmaceutics</i> , 154, 245-247, 1997	44	Carstensen, J.	2000	Marcel Dekker	<i>Advanced Pharmaceutical Solids</i>
13	Barzegar-Jalali, M., Jouyban-Gh., A.	<i>International Journal of Pharmaceutics</i> , 152, 247-250, 1997	179	Swarbrick, J., Boylan, J.C.	1999	Marcel Dekker	<i>Encyclopedia of Pharmaceutical Technology, Vol. 18</i>
14	Jouyban, A., Rehman, M., Shekunov, B.Y., Chan, H.K., Clark, B.J. and York, P.	<i>Journal of Pharmaceutical Sciences</i> , 91, 1287-1295, 2002.	14	York, P., Kompella, U.B., Shekunov, B.Y.	2004	Marcel Dekker	<i>Supercritical fluid technology for drug product development</i>
15	Jouyban, A., Chan, H.K. and Foster, N.R.	<i>Journal of Supercritical Fluids</i> , 24, 19-35, 2002	16	Marcus, Y.	2004	Marcel Dekker	<i>Ion Exchange and Solvent Extraction: A Series of Advances</i>
16	Jouyban-Gharamaleki, A., Clark, B.J. and Acree, W.E. Jr.	<i>Chemical & Pharmaceutical Bulletin</i> , 48, 1866-1871, 2000	250	Marcus, Y.	2002	Marcel Dekker	<i>Solvent Mixtures: Properties and selective solvation</i>
17	Jouyban-Gharamaleki, A., Valaee, L., Barzegar-Jalali, M., Clark, B.J. and Acree, W.E. Jr.	<i>International Journal of Pharmaceutics</i> , 177, 93-101, 1999.	411	Borchardt, R.T., Kerns, E.H., Lipinski, C.A., Thakker, D.R., Wang, B.	2004	AAPS press	<i>Biotechnology: Pharmaceutical Aspects. Pharmaceutical Profiling In Drug Discovery For Lead Selection</i>
18	Barzegar-Jalali, M., Jouyban-Gh., A.	<i>International Journal of Pharmaceutics</i> , 152, 247-250, 1997	2480	Swarbrick, J., Boylan, J.C.	2002	Marcel Dekker	<i>Encyclopedia of Pharmaceutical Technology, Vol. 3, 2nd Edition</i>

19	Jouyban-Gharamaleki, A., Valaee, L., Barzegar-Jalali, M., Clark, B.J. and Acree, W.E. Jr.	<i>International Journal of Pharmaceutics</i> , 177, 93-101, 1999.	2480	Swarbrick, J., Boylan, J.C.	2002	Marcel Dekker	<i>Encyclopedia of Pharmaceutical Technology</i> , Vol. 3, 2 nd Edition
20	Jouyban-Gh., A., Acree, W.E. Jr.	<i>International Journal of Pharmaceutics</i> , 167, 177-182, 1998.	2480	Swarbrick, J., Boylan, J.C.	2002	Marcel Dekker	<i>Encyclopedia of Pharmaceutical Technology</i> , Vol. 3, 2 nd Edition
21	Jouyban-Gharamaleki, A., Valaee, L., Barzegar-Jalali, M., Clark, B.J., Acree, W.E. Jr.	<i>International Journal of Pharmaceutics</i> , 177, 93-101, 1999.	82	Lundblad, R. L.	2007		<i>Biochemistry and Molecular Biology Compendium</i>
22	Jouyban, A., Soltanpour, Sh. and Chan, H.K.	<i>International Journal of Pharmaceutics</i> , 269, 353-360, 2004.	271	Sakai, K., Hirayama, N., Tamura, R.	2007		<i>Novel Optical Resolution Technologies (Topics in Current Chemistry)</i>
23	Jouyban, A., Batish, A., Rumbelow, S. J., Clark, B. J.	<i>Analyst</i> , 126, 1958-1962, 2001.	556	Molnar-Perl, I.	2005		<i>Quantitation of Amino Acids and Amines by Chromatography</i> , Vol. 70: <i>Methods and Protocols (Journal of Chromatography Library)</i>
24	Jouyban, A., Chan, H.K., Foster, N.R.	<i>Journal of Supercritical Fluids</i> , 24, 19-35, 2002.	79	Gupta, R. B., Kompella, U. B.	2006		<i>Nanoparticle Technology for Drug Delivery (Drugs and the Pharmaceutical Sciences)</i>
25	Jouyban, A., Majidi, M.R., Jalilzadeh, H. and Asadpour-Zeynali, K.	<i>Il Farmaco</i> , 60, 255-259, 2005.	55	Liu, R	2008	CRC Press	<i>Water-insoluble drug formulation</i>
26	Jouyban, A., Chan, H.K., Chew, N.Y.K., Khoubnasabjafari, M and Acree, W.E. Jr.	<i>Chemical and Pharmaceutical Bulletin</i> , 54, 428-431, 2006	245	Georgiadi s, M.C., Banga, J.R., Pistikopoulos, E.N.	2011	Wiley-VCH	<i>Dynamic Process Modelling</i>
27	Jouyban, A., Khoubnasabjafari, M., Chan, H.K., Clark, B.J. and Acree Jr., W.E.	<i>Chemical and Pharmaceutical Bulletin</i> , 50, 21-25, 2002	61	Gonzalez, E., Ma, G.		USC	<i>Enzymatic Degradation of Polycyclic Aromatic Hydrocarbons (PAHs)</i>
28	Jouyban, A., and Kenndler, E.	<i>Electrophoresis</i> , 29, 3531-3551, 2008	94	Diekmann, J.	2011	Druck and Bindung	<i>Coupling of Capillary Electrophoresis with Nuclear magnetic Resonance</i>

List of PhD graduates:

No.	Candidate name	Field of study	Other supervisors	Date	Recent position
1	Karim Assadpour-Zeynali	Analytical Chemistry	Dr. M.R. Majidi	2005	Associate Prof., Tabriz University
2	Farnaz Jabbaribar	Pharmaceutics	Dr. S.A.R. Mortazavi	2009	Researcher, Pharmaceutical Industry, Canada
3	Amir Reza Karami-Bonari	Pharmaceutical Sciences	-	2009	Assistant Prof., Islamic Azad University of Tabriz
4	Masoumeh Shaghghi	Analytical Chemistry	Dr. J. Manzoori	2009	Assistant Prof., Payame Noor University Tabriz
5	Shahla Soltanpour	Pharmaceutical Chemistry	-	2011	Assistant Prof., Zanjan University of Medical Sciences
6	Somaieh Soltani	Pharmaceutical Chemistry	-	2011	Assistant Prof., Tabriz University of Medical Sciences
7	Ali Shayanfar	Pharmaceutical Chemistry	-	2013	Assistant Prof., Tabriz University of Medical Sciences
8	Elnaz Tamizi	Pharmaceutical Control	-	2014	Assistant Prof., Tabriz University of Medical Sciences
9	Mohammad Hassanzadeh	Pharmaceutical Analysis	Dr. M.H. Pournaghi-Azar	2014	Assistant Prof., Tabriz University of Medical Sciences
10	Rana Fazeli-Bakhtiyari	Analytical Chemistry	Dr. M.H. Sorouraldin	2015	
11	Samin Hamidi	Pharmaceutical Chemistry		2015	
12	Zeinab Mirzaei-Kalar	Inorganic Chemistry	Dr. A.A. Khandar	ongoing	

List of PharmD and/or MSc graduates supervised and/or co-supervised:

No.	Candidate name	Field of study	Other supervisors	Date	Recent position
1	Mozhgan Rahimi	Pharmacy	Dr. J. Hanaee	1995	Community pharmacist
2	Somaieh Soltani	Pharmacy	-	2003	Assistant Prof., Tabriz University of Medical Sciences
3	Shahla Soltanpour	Pharmacy	-	2003	Assistant Prof., Zanjan University of Medical Sciences
4	Anahita Fathi-Azarbayjani	Pharmacy	-	2003	Assistant Prof., Urmia University of Medical Sciences
5	Rogahyeh Ghassemi	Pharmacy	Dr. H. Babaei	2004	Community pharmacist
6	Samira Yeghanli	Pharmacy	-	2004	Community pharmacist
7	Hasan Jalilzadeh	Pharmacy	-	2006	Community pharmacist
8	Amir Separham	Pharmacy	Dr. M.A. Eghbal	2006	Community pharmacist
9	Ebrahim Azadnia	Analytical Chemistry	Dr. Dj. Djozan, Dr. M. Mohammadzadeh	2006	PhD candidate
10	Elnaz Tamizi	Pharmacy	-	2007	Assistant Prof., Tabriz University of Medical Sciences
11	Ali Shayanfar	Pharmacy	-	2009	Assistant Prof., Tabriz University of Medical Sciences
12	Mohammad A.A. Fakhree	Pharmacy	-	2009	PhD Candidate
13	Jafar Soleymani	Analytical Chemistry	Dr. J. Manzoori	2009	Research Associate, Drug Applied Research Center
14	Vahid Panahi-Azar	Analytical Chemistry	Dr. J. Manzoori	2009	Research Associate, Drug Applied Research Center
15	Hamed Maljaei	Pharmacy	-	2010	Community pharmacist
16	Nasser Soltani	Analytical Chemistry	Dr. J. Manzoori	2011	
17	Amir Ramezani-Moghadam	Analytical Chemistry	Dr. J. Manzoori	2011	PhD candidate
18	Shadi H. Eghrary	Pharmaceutical Engineering	-	2011	PhD candidate
19	Parastoo M. Andashti	Analytical Chemistry	Dr. DJ. Djozan	2011	
20	Fahime Iranmanesh	Analytical Chemistry	Dr. DJ. Djozan	2012	
21	Aram Khalili	Pharmacy	Dr. H. Hamishekar	2012	Community pharmacist
22	Monireh Zamani-Kalajahi	Analytical Chemistry	Dr. M. Amiri	2012	PhD candidate
23	Farzad Farajbakhsh	Analytical Chemistry	Dr. J. Manzoori	2012	
24	Akbar Rezazadeh	Analytical Chemistry	Dr. J. Manzoori	2012	
25	Faroukh Sardari	Pharmaceutical Engineering	-	2012	
26	Azam Assadi	Analytical Chemistry	Dr. DJ. Djozan	2012	
27	Ronak Ramezani	Analytical Chemistry	Dr. DJ. Djozan	2013	
28	Mehdi Khoshbakht	Pharmacy	Dr. H. Hamishekar	2012	Community pharmacist
29	Roghayeh Amini	Analytical Chemistry	Dr. M. Abdolmohammadzadeh	2012	PhD candidate
30	Masoumeh Abbasi	Pharmacy	-	2015	
31	Siavash Tatardar	Pharmacy	Dr. S. Soltani	2015	
32	Mahdis Mohammadzade	Pharmacy	Dr. M. Barzegar-Jalali	2015	Community pharmacist
33	Sahel Vahdati	Pharmacy	-	2015	
34	Nastaran Hashemzade	Pharmacy	Dr. N. Shadjou	2015	PhD candidate

35	Fatemeh Keramatnia	Pharmacy	Dr. A. Shayanfar	2015	
36	Arezoo Mabhoot	Pharmacy	-	2015	Community pharmacist

